



REPORT OF FINDINGS

**KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFON, PA**

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FIGURES (Following Text)

FIGURE 1 SOIL BORING AND MONITORING WELL LOCATIONS

ATTACHMENTS

- ATTACHMENT A LOGS, GEOPHYSICAL SURVEY RESULTS AND PACKER TEST
 RESULTS
- ATTACHMENT B GROUNDWATER SAMPLING FIELD DATA SHEETS
- ATTACHMENT C ANALYTICAL RESULTS SUMMARY TABLES

1.0 INTRODUCTION

1.1 OBJECTIVE

This report presents the results of the investigation of the historically elevated detections of 1,1,1-Trichloroethane (1,1,1-TCA) in soil and groundwater in the area of former monitoring well MW-02 at the KEMA-Powertest, LLC facility at 4379 Country Line Road, Chalfont, PA 18914 (the Facility). ABB Inc. (ABB), on its own behalf and on behalf of KEMA-Powertest, LLC, agreed to conduct a focused investigation to ascertain the nature and extent of 1,1,1-TCA contamination in and around the area of former monitoring well MW-02. The approved Scope of Work completed for this investigation included soil sampling, the installation of two new nested monitoring wells, and groundwater sampling. A proposed Work Plan for the scope of work was submitted to USEPA Region III in July, 2012 for review and comment.

This report provides a brief background, a summary of the investigation field activities, presents the results of the investigation, and provides conclusions and recommendations.

1.2 BACKGROUND

The Facility is located approximately two miles southwest of the town of Chalfont in New Britain Township, Bucks County, Pennsylvania. Land use in the area is a combination of agricultural, residential, and industrial. The Facility is located in an area that is considered a Federal Superfund Site (North Penn Area 5).

Four bedrock groundwater monitoring wells were installed at the facility in 1990 in connection with Phase II activities at the Facility. Three of the wells (MW-01, MW-03, and MW-04) did not indicate an impact from volatile organic compounds (VOCs). Shallow bedrock monitoring well MW-02 however did indicate a VOC impact. Five groundwater samples were collected from MW-02; in 1990, May 1998, August 1998, and October 1998. Elevated concentrations of 1,1,1-TCA were detected in several of the sampling events. The well was abandoned during the construction of a new building at the facility in 2012.

In EPA's Responsiveness Summary in connection with the 2011 Record of Decision (ROD) for North Penn Area 5 Operable Unit 2 (OU-2), EPA concluded that the 1,1,1-TCA concentrations detected in groundwater samples from MW-02 were localized based on the fact that 1,1,1-TCA was detected in no other groundwater samples collected in the area of the well or to the north of the well in the residential

neighborhood. EPA also concluded that the 1,1,1-TCA was isolated and not a source of contamination in the North Penn Area OU-2 bedrock groundwater plume. Further, there was no documented use of 1,1,1-TCA at KEMA-Powertest, LLC; therefore, no apparent on-site source.

Minor concentrations of 1,1,1-TCA were also previously detected in soil samples collected during drilling of the former MW-02 well bore. 1,1,1-TCA was not detected in any other soil samples collected from the Powertest property during the Phase I or RI investigations; however, no other soil samples were analyzed in the vicinity of former MW-02.

On October 25, 2011, EPA sent ABB a Special Notice Letter for OU-2 of the North Penn Area 5 Superfund Site to negotiate an administration order on consent (AOC) to conduct a supplemental remedial investigation and feasibility study (RI/FS) at OU-2. ABB voluntarily agreed to conduct the subject investigation on its behalf, and on behalf of KEMA-Powertest, LLC, the current site owner. Although ABB did not enter into an AOC with EPA, ABB and its technical representatives provided EPA with a draft scope of work and work plan prior to initiating the investigation. ABB received recommendations and comments from EPA and supplemented its scope of work to address those comments. The subject investigation was conducted consistent with the approved scope of work. ABB then coordinated the work with KEMA-Powertest, LLC, who provided access and cooperated in allowing the work to proceed.

2.0 FIELD ACTIVITIES

2.1 UTILITY CLEARANCE

Prior to the start of the investigation, CRA cleared utilities with PA One Call and plant personnel.

2.2 HEALTH AND SAFETY

A Health and Safety Plan (HASP) was prepared for use during all field activities. In addition, all subcontracted personnel were required to view a facility safety video prior to starting work. A tailgate safety meeting was also held each morning.

2.3 SAMPLING AND ANALYSIS PLAN

A Sampling and Analysis Plan (SAP) was prepared for use during all field activities. This plan included a Field Sampling Plan (FSP) and a Quality Assurance Project Plan (QAPP). Both plans outline the procedural and analytical requirements for completing field activities throughout the investigation.

2.4 SOIL SAMPLING IN THE VICINITY OF FORMER MONITORING WELL MW-02

The soil investigation was designed to gather lithologic and analytical data to better understand the potential distribution and concentration of VOCs in soil in the vicinity of former monitoring well MW-02.

Eichelbergers Inc. of Mechanicsburg, PA completed the work using a track-mounted GeoProbe® 800 Series rig. Figure 1 presents the approximate location of former monitoring well MW-02 and the area where soil borings were completed. Nineteen GeoProbe® soil borings were completed for the soil investigation (PTGP-01 through PTGP-19).

The GeoProbe® was advanced at each boring location to the top of bedrock. Two four-foot long macrocores were collected at each boring location; all locations encountered refusal in bedrock within eight feet from the ground surface. The macrocores were opened and then screened using a RAE Systems MiniRae 2000

Photoionization Detector (PID) for possible presence of VOCs. The PID was calibrated daily prior to use.

Following screening, a sample interval was selected from each boring location based on the highest PID reading. If the screening did not indicate any detectable readings, the interval just above bedrock was selected for sampling. At two locations (PTGP-13 and PTGP-14), samples were collected from two depths within each boring. All samples for full-scan VOCs were collected using disposable TerraCore samplers, placed in three laboratory preserved 40 ml VOA vials and stored on ice in a field sample cooler. Samples for 1,4-Dioxane, which was specifically requested by EPA, were collected using a disposable sampler, placed in a 4 oz jar and stored on ice in a field sample cooler. Quality control samples were collected during sampling. All samples were collected and transported following standard chain of custody procedures.

The soil samples were submitted to Accutest Laboratory of Dayton, NJ for full-scan VOCs laboratory analyses by EPA Method SW-846 8260B. In addition, the 1,4-Dioxane samples were analyzed by EPA Method 8270C.

Following sample collection at each location, the cores were described and the cuttings returned to the open holes. Descriptive logs of the GeoProbe® cores are included in Attachment A. Each of the logs provides a record of the PID readings and the sample depths.

2.5 INSTALLATION OF NESTED MONITORING WELLS TO REPLACE FORMER MONITORING WELL MW-02

Monitoring well MW-02 was abandoned during the construction of a new building at the facility in 2012. The location of a new bedrock borehole (Figure 1) was selected to provide the best available replacement location for the former monitoring well and to provide vertical delineation of any potentially detected compounds. EPA was notified of the well location in advance. The approved Work Plan indicated that up to three monitoring wells could be completed at different depths within the bedrock borehole based on evidence of individual fractures during drilling and testing of the open borehole. Two monitoring wells were completed in the borehole.

2.5.1 BOREHOLE DRILLING

Drilling was completed Eichelbergers Inc. of Mechanicsburg, PA using an air rotary rig. A containment area was constructed around the borehole to control cuttings and any water generated during drilling. During the first day of drilling, a 12-inch diameter borehole was advanced to a depth of 20 feet below grade (FBG). During drilling, the workers breathing space was monitored for VOCs with using the PID. The PID was also used to monitor for the presence of VOCs in the cuttings generated during drilling. No positive readings were detected in the breathing space at any time. All cuttings and water generated during drilling were containerized in 55-gallon drums.

Competent bedrock was encountered at a depth of approximately 10 FBG. A 21-foot length of 8-inch diameter schedule 40 steel casing was set in the open hole and tremie-grouted in place with a cement-bentonite grout, providing one foot of stickup.

The following day an 8-inch diameter borehole was advanced to a total depth of 73 FBG. Significant water producing fractures were encountered at depths of approximately 46 feet below grade and 70 FBG. The driller estimated that the deeper fracture was producing 10-12 gallons per minute (gpm) during drilling. A descriptive log for the borehole is included in Attachment A. During drilling, the workers breathing space was monitored for VOCs using the PID. The PID was also used to monitor for the presence of VOCs in the cuttings generated during drilling. No positive readings were detected in the breathing space at any time. All cuttings and water generated during drilling were containerized in 55-gallon drums.

2.5.2 DOWNHOLE TELEVISION VIDEO AND GEOPHYSICAL LOGGING

Three days following the completion of the bedrock borehole, Hager-Richter Geoscience, Inc. of Fords, NJ completed logging of the open borehole. The logging included a downhole television video to produce a continuous log of the borehole and allow for assessment of fractures, and a borehole geophysical suite that included a caliper log, temperature, and conductance. In addition, a heat-pulse flow meter was used to measure groundwater flow directions within the borehole. The water generated during the heat-pulse flow meter testing was containerized in a 55-gallon drum. The results of the logging are provided in Attachment A.

2.5.3 PACKER TESTING

Based on the fracture locations identified during drilling and through the downhole television video, geophysical logging and heat-pulse flow meter results, CRA selected four intervals within the borehole for packer testing (23-28 FBG, 28-33 FBG, 43-48 FBG, and below 68 feet). To isolate the desired sections of the borehole, a double inflatable packer was used. The packer assembly included a variable speed pump and pressure transducers above the upper packer, within the isolated packer interval, and below the lower packer. Real-time data via a laptop was available during the packer testing.

Packer testing was completed from the bottom to the top of the borehole. For the first interval only a single packer was inflated to isolate an interval from the bottom of the packer (at 68 feet) to the bottom of the borehole (at 73 feet). Following a brief period for stabilization an initial head was established for the interval. The interval was then pumped at a rate of approximately two gpm for a period of 30 to 35 minutes (approximately 5x the volume of the packer interval of five feet). The water generated during packer testing was containerized in 55-gallon drums. A summary of the packer testing results is included in Attachment A.

A groundwater sample was then collected into three laboratory preserved 40 ml VOA vials and stored on ice in a field sample cooler. Quality control samples were collected during sampling. All samples were collected and transported following standard chain of custody procedures. In addition to the drawdown data, 15 minutes of recovery data was collected following shutting off the pump at the end of the sample collection.

The 46 FBG fracture was isolated using two packers with the bottom of the upper packer set at 43 feet and the top of the lower packer set at 48 feet for a five foot packer interval. Following a brief period for stabilization an initial head was established for the interval. The interval was then pumped at a rate of approximately 1.5 to two gpm for a period of 35 to 40 minutes (approximately 4x to 5x the volume of the packer interval). The water generated during packer testing was containerized in 55-gallon drums. A summary of the packer testing results is included in Attachment A.

A groundwater sample was then collected into three laboratory preserved 40 ml VOA vials and stored on ice in a field sample cooler. Quality control samples were collected during sampling. All samples were collected and transported following standard chain of custody procedures. In addition to the drawdown data, 15 minutes of recovery data was collected following shutting off the pump at the end of the sample collection.

An attempt was made to isolate an interval from 28 to 33 FBG fracture using the two packers. Following the packer inflation, the isolated interval would not recover to the initial head during stabilization. The interval was pumped briefly at a rate of approximately 0.25 gpm which would result in dewatering the interval. It was decided that the yield for this interval was sufficiently low that a groundwater sample could not be collected. A summary of the packer testing data collected from this interval is included in Attachment A.

An attempt was also made to isolate an interval from 23 to 38 FBG fracture using the two packers. Following the packer inflation, the isolated interval would not recover to the initial head during stabilization. The interval was pumped at a rate of approximately 0.5 gpm which resulted in dewatering the interval (straight line decline in water level). A brief period of recovery data was collected to help evaluate the yield. It was decided that the yield for this interval was sufficiently low that a groundwater sample could not be collected. A summary of the packer testing data collected from this interval is included in Attachment A.

The groundwater samples collected were submitted to Accutest Laboratory of Dayton, NJ for full-scan VOCs laboratory analyses by EPA Method SW-846 8260B. In addition, the groundwater samples were analyzed for 1,4-dioxane by EPA Method 8270C.

2.5.4 MONITORING WELLS

Two 2-inch monitoring wells (MW-05S and MW-05D) were installed in the open borehole. The wells were installed over a period of two days. The deep well was installed to a depth of 73 FBG; the shallow well to 51 FBG. Both wells were constructed with a schedule 40 10-foot screen and blank threaded schedule 40 casing to just below the ground surface. A filter pack consisting of uniformly sized #1 coarse sand was placed in the annular space around each screen from the bottom of the screen to approximately 1.5 foot above the screen. The remaining annular space was then filled with a three foot hydrated bentonite seal (bentonite chips) and a cement-bentonite grout tremied in place. During the first day, the grout for the deeper well was brought up to 51 feet (the bottom of the shallow well), and during the second day the grout was brought to the surface following the installation of the second (shallow) well.

Following the completion of the wells, each well was developed by pumping to clear the fines out of the sand packs. The deep well (MW-05D) was pumped at three gpm for a period of 15 minutes. The shallow well (MW-05S) was pumped at a variable rate (from 0.5 gpm to three gpm) for approximately 45 minutes.

Approximately 1.5 foot was cut off of the steel outer casing and a small flush mount well vault was installed at the ground surface. Well construction logs for MW-05 and MW-05D are provided in Attachment A.

2.6 GROUNDWATER SAMPLING

Two weeks following the completion of the monitoring wells CRA collected groundwater samples using the low-flow sampling technique. During the low flow sampling, each well was purged approximately two screen volumes; pumped at 150 ml/min (0.04 gpm) for a period of approximately one hour. Field parameters were collected during purging using a flow through cell. Copies of the field data sheets are included in Attachment B. Groundwater samples were collected into three laboratory preserved 40 ml VOA vials and stored on ice in a field sample cooler. Quality control samples were collected during sampling. All samples were collected and transported following standard chain of custody procedures.

The groundwater samples were submitted to Accutest Laboratory of Dayton, NJ for full-scan VOCs laboratory analyses by EPA Method SW-846 8260B. In addition, the groundwater samples were analyzed for 1,4-dioxane by EPA Method 8270C.

2.7 SPOILS MANAGEMENT, DECONTAMINATION AND SITE RESTORATION

Investigation derived wastes were temporarily stored at the facility in 55-gallon drums. Following the results of the packer test sampling and groundwater sampling, the drums were disposed of offsite as non-hazardous by Coventry Environmental. All non-disposable equipment that could have come into contact with contamination was decontaminated prior to moving to the next sampling location and prior to leaving the site.

All areas that were within the investigation area were maintained or restored to pre-existing conditions. In addition, the area around the flush mount vault was regraded with topsoil and seeded.

3.0 ANALYTICAL RESULTS

This section presents the analytical results for data collected during the GeoProbe® soil sampling, the packer testing groundwater sampling, and the groundwater sampling conducted following the completion of the wells. The complete laboratory data packages are included in Attachment C.

3.1 GEOPROBE® SOIL SAMPLING

The GeoProbe® soil sampling was conducted on June 19 and June 20, 2013. Soil samples were collected from 19 locations. The sample depths for each location are shown on the GeoProbe® descriptive logs and in general samples were collected from just above bedrock. Two locations (PTGP-13 and PTGP-14) included samples from two depths.

A summary table of the analytical results is included in Attachment C. There were no detections of 1,1,1-TCA, breakdown products of 1,1,1-TCA, or potentially related products (e.g., 1,4-dioxane) at any of the GeoProbe® locations. There were detections of one compound, Methylene Chloride. All of the Methylene Chloride detections were B-qualified (detected in the laboratory blank).

3.2 PACKER TESTING GROUNDWATER SAMPLING

The packer testing was conducted on July 16 2013. Testing was completed for four intervals (23-28 FBG, 28-33 FBG, 43-48 FBG, and below 68 feet). Sufficient yield to complete sampling was available for the two deeper intervals. A summary table of the analytical results is included in Attachment C. The data on the table are screened to EPA Maximum Contaminant Levels (MCLs).

1,1,1-TCA was not detected during the packer testing. No compounds were detected above their respective MCL. Trichloroethene (TCE) and its daughter product 1,1-dichloroethene (1,1-DCE) were detected in the deeper (below 68 feet) packer interval.; both below their MCLs. 1,1-DCE was also detected below the MCL in the 43-48 foot sample. Toluene was detected in both intervals; below the MCL.

1,4-dioxane was detected in the 43-48 foot packer interval at a concentration of 2.5 ug/L. An MCL for 1,4-dioxane has not been established. The 2.5 ug/L result is below the Pennsylvania Department of Environmental Protection (PADEP) risk screening level for 1,4-dioxane is 5.6 ug/L.

3.3 MONITORING WELL GROUNDWATER SAMPLING

Groundwater sampling of MW-05S and MW-05D was conducted on August 30, 2013. A summary table of the analytical results is included in Attachment C. There were no detections of 1,1,1-TCA or 1,4-dioxane in either of the wells. There were low level detections of carbon disulfide, 1,1-DCE, and Xylenes in MW-05S. Carbon disulfide does not have an MCL. The 1,1-DCE and Total Xylenes were below their MCLs. There were detections of 1,1-DCE, TCE, and Xylenes in MW-05D. All were below their respective MCLs.

4.0 CONCLUSIONS

The soil results of the investigation did not indicate the presence of, or any impact from, 1,1,1-TCA in the vicinity of former monitoring well MW-02.

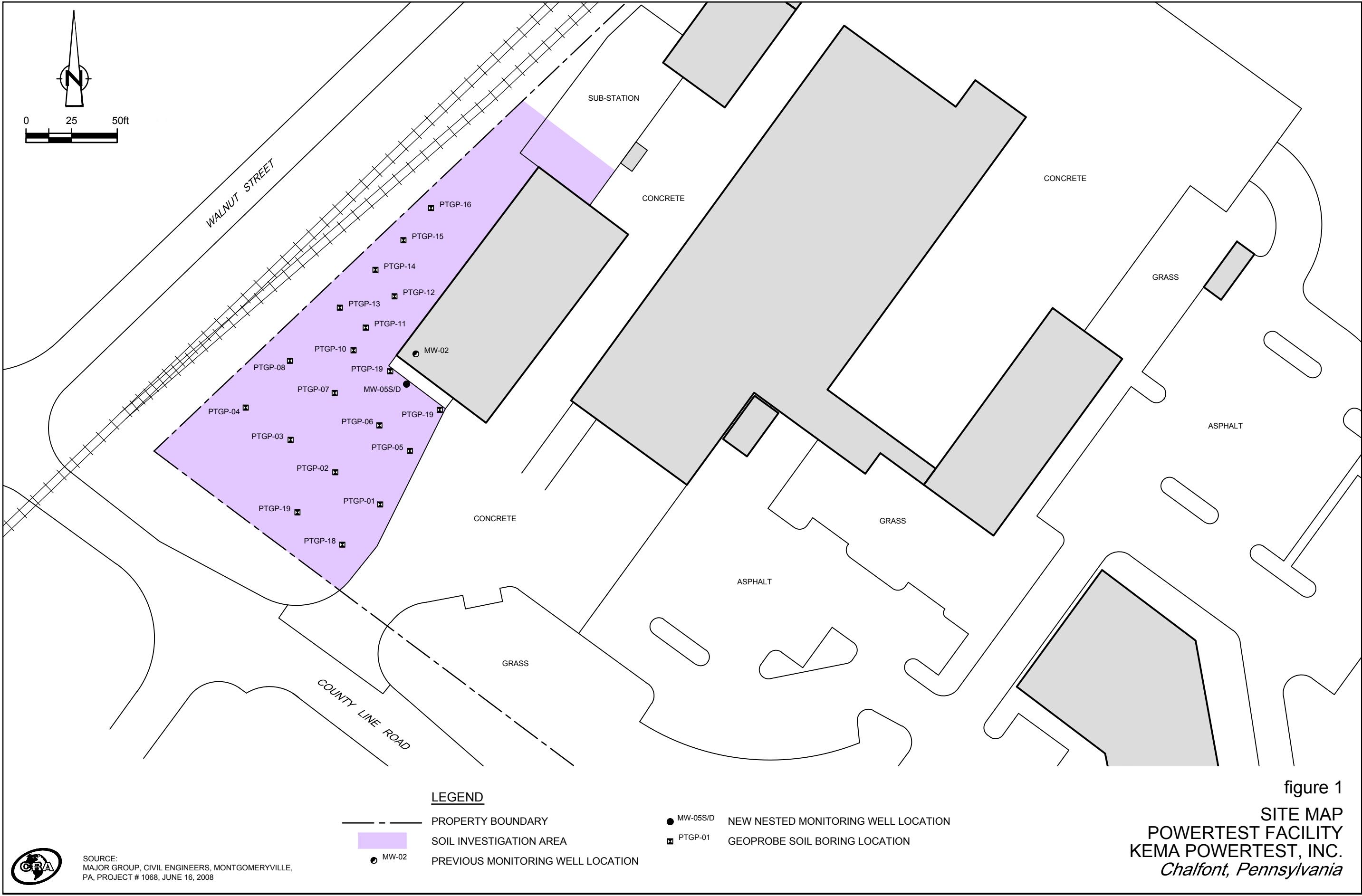
There were no detections of any compounds in the soil with the exception of Methylene Chloride, which is a common laboratory contaminant and was detected in the lab blank.

1,1,1-TCA, the primary compound of interest, was not detected in any groundwater samples. Further, the results for most compounds were also non-detect. There were very low level detections of several VOCs (e.g., TCE, 1,1-DCE, Toluene) in the groundwater samples with most of the results estimated below detection levels. No compounds were detected above their respective MCLs.

1,4-dioxane was detected in the 43-48 foot packer interval at a concentration of 2.5 ug/L. An MCL for 1,4-dioxane has not been established. The 2.5 ug/L result is below the Pennsylvania Department of Environmental Protection (PADEP) risk screening level for 1,4-dioxane (5.6 ug/L). There were no detections of 1,4-dioxane in either of the newly completed wells.

In summary, regardless of the apparent historical detections of 1,1,1-TCA in former monitoring well MW-02, there do not appear to be any current 1,1,1-TCA or other VOCs impacts in the soil or groundwater beneath the Facility. Therefore, CRA recommends that no further investigation be undertaken at the Facility. Further, CRA recommends that the monitoring wells be abandoned including recently installed monitoring wells MW-05S and MW-05D and formerly installed monitoring wells MW-01, MW-03, and MW-04.

FIGURE



ATTACHMENT A

LOGS, GEOPHYSICAL SURVEY RESULTS AND
PACKER TEST RESULTS

BEDROCK CORING AND DRILLING STRATIGRAPHIC LOG

PAGE 1 OF 2

PROJECT NAME ABB/Kema

DRILLING CONTRACTOR Eichelbergers Drilling, Inc.

HOLE DESIGNATION MW-05

PROJECT NUMBER 077128

DRILLER Kevin Huffman

DATE/TIME STARTED 7/11/2013 13:30

CLIENT ABB

SURFACE ELEVATION NA

DATE/TIME COMPLETED 7/12/2013 13:00

LOCATION Chalfont, PA

WEATHER (A.M.) Very light rain

DRILLING METHOD Air Rotary

(P.M.)

CRA SUPERVISOR William Daniels P.G.

STRATIGRAPHIC INTERVALS			<u>BEDROCK DESCRIPTION:</u> FORMATION NAME, ROCK TYPE, COLOUR, BEDDING, GRAIN SIZE, <u>TEXTURE, WEATHERING, CEMENTATION, POROSITY, FOSSILS, SUPPL. DESCRIPTORS</u>		NOTE: USE THESE COLUMNS FOR RECORDING DRILLING RATE AND CORE RECORD (IF CORING)					WATER USAGE		
					DRILLING RATE/CORE DRILLING RECORD							
DEPTH IN FEET/METRES BGS			FROM	AT	TO	RUN NO.	DEPTH FROM START TIME	DEPTH TO END TIME	CORE REC%	RQD %	FRACTURE INDEX	VOL. WATER LOST PER RUN
0 feet		6 feet	WEATHERING, INFILLING, SUPPLEMENTARY DESCRIPTORS									
0 feet		6 feet	Highly weather bedrock (Brunswick Fm.), moderate reddish brown, dry. 0 ppm PID									
6 feet		7 feet	Fractured Brunswick Fm., mudstone, moderate reddish brown, dry. 0 ppm PID									
7 feet		9 feet	Fractured Brunswick Fm., mudstone, moderate reddish brown, some weathering, damp. 0 ppm PID									
9 feet		12 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, dry to damp.									
12 feet		18 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, dry, harder. 0 ppm PID									
18 feet		20 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, moist, water at 19 feet. 0 ppm PID									
-	-	(12-inch diameter hole with tricone bit and air-rotary)										
-	-	(PID in open hole 0 ppm)										
-	-	(Set 21 feet of 8-inch diameter schedule 40 steel casing - to 20 foot TD and 1 foot of stick-up.)										
-	-	(Cement/Bentonite grout - tremied in from the bottom in annular space)										
NOTES AND COMMENTS												

BEDROCK CORING AND DRILLING STRATIGRAPHIC LOG

PAGE 2 OF 2

PROJECT NAME ABB/Kema

DRILLING CONTRACTOR Eichelbergers Drilling, Inc.

HOLE DESIGNATION MW-05

PROJECT NUMBER 077128

DRILLER Kevin Huffman

DATE/TIME STARTED 7/11/2013 13:30

CLIENT ABB

SURFACE ELEVATION NA

DATE/TIME COMPLETED 7/12/2013 13:00

LOCATION Chalfont, PA

WEATHER (A.M.) Very light rain

DRILLING METHOD Air Rotary

(P.M.) Rain second day in PM

CRA SUPERVISOR William Daniels P.G.

STRATIGRAPHIC INTERVALS			<u>BEDROCK DESCRIPTION:</u> FORMATION NAME, ROCK TYPE, COLOUR, BEDDING, GRAIN SIZE, <u>FRACTURE DESCRIPTION:</u> TEXTURE, WEATHERING, CEMENTATION, POROSITY, FOSSILS, SUPPL. DESCRIPTORS		NOTE: USE THESE COLUMNS FOR RECORDING DRILLING RATE AND CORE RECORD (IF CORING)					WATER USAGE		
					DRILLING RATE/CORE DRILLING RECORD							
DEPTH IN FEET/METRES BGS			FROM	AT	TO	RUN NO.	DEPTH FROM START TIME	DEPTH TO END TIME	CORE REC%	RQD %	FRACTURE INDEX	VOL. WATER LOST PER RUN
-	-	-	(20 hour cure time for surface casing grout)									
-	-	-	(AM PID in open casing prior to drilling 0 ppm)									
20 feet		24 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, dry, trace water at 24 feet.									
24 feet		28 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, dry, trace water at 28-31 feet.									
28 feet		46 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, dry, water at 46 feet 1 gpm+									
			(PID for drum cuttings 0 ppm)									
46 feet		57 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, wet (from 46 foot fracture), occasional black and lighter grayish brown chips. (PID for drum cuttings 0 ppm)									
57 feet		68 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, wet (from 46 foot fracture). No increase in water since 46 foot fracture.									
68 feet		74 feet	Brunswick Fm., shale/mudstone, moderate reddish brown, wet. Much more water 69 to 70 feet several gpm.									
-	-	-	(8-inch diameter air rotary button bit from 20 feet to 74 feet)									
-	-	-	(74 feet TD. Stopped to volume of water being generated).									
NOTES AND COMMENTS												

MW-05S AND MW-05D

WELL CONSTRUCTION LOGS

Project Name: ABB/Kema
 Project No.: 077128
 Client: ABB
 Location: Chalfont, PA

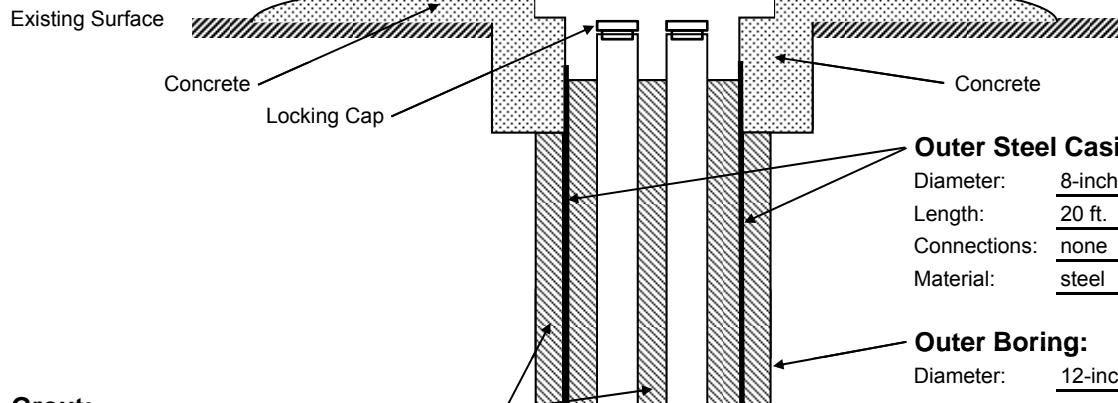
Survey Information:

top of inner casing: _____
 ground: _____

Hole Designation: MW-05S and MW-05D
 Date Completed: 8/15/2013
 Drilling Method: Air Rotary
 CRA Supervisor: William Daniels P.G.

longitude: _____
 latitude: _____

NOT TO SCALE Flushmount Lid 12 in. Diam. At-Ground Security 9/16" Bolted Cover



Grout: _____
 Composition: 95% cement / 5% bentonite

Riser MW-05S: _____
 Diameter: 2-inch
 Length: 41 ft.
 Connections: threaded
 Material: PVC

Outer Steel Casing:
 Diameter: 8-inch
 Length: 20 ft.
 Connections: none
 Material: steel

Outer Boring:
 Diameter: 12-inch

Inner Boring:
 Diameter: 8-inch

Bentonite Seal MW-05S: _____
 Composition: Bentonite Chips
 Interval: 36-39 ft bgs

Riser MW-05D:
 Diameter: 2-inch
 Length: 63 ft.
 Connections: threaded
 Material: PVC

Bentonite Seal MW-05D:
 Composition: Bentonite Chips
 Interval: 58-61 ft bgs

Screen MW-05S: _____
 Slot Size: 10
 Length: 10 ft. (41-51 ft bgs)
 Diameter: 2-inch
 Material: PVC

Screen MW-05D:
 Slot Size: 10
 Length: 10 ft. (63-73 ft bgs)
 Diameter: 2-inch
 Material: PVC

Sand/Gravel MW-05S: _____
 Size: No. 1
 Material: sand
 Interval: 39-51 ft bgs

Sand/Gravel MW-05D:
 Size: No. 1
 Material: sand
 Interval: 61-73 ft bgs

Bottom Plug MW-05S: _____
 Material: PVC
 Connection: Threaded

Bottom Plug MW-05D:
 Material: PVC
 Connection: Threaded

Comments:

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/19/13 **Date Completed:** 6/19/13

Location: PTGP-01

Depth (ft)	Description	PID	Sample Interval
0	0-3" - silty Clay, w/grass and roots, moderate reddish brown, soft, damp, moderate plasticity	NA	
1	3"-1'4" - silty Clay, moderate reddish brown w/occ rock fragments (fill?)	0.0	
2	1.5'-7' - silty Clay, moderate reddish brown, w/occ broken rock fragments, damp, sl plasticity, (weathered rock?), sl friable	0.0	
3		0.0	
4		0.0	
5		0.0	
6		0.0	X
7	7'-8' - friable Shale bedrock, highly weathered, moderate reddish brown	0.0	
8		0.0	

Location: PTGP-02

Depth (ft)	Description	PID	Sample Interval
0	0-10" - silty Clay, w/grass roots (soil horizon), moderate yellowish brown, soft, moist, moderate plasticity	NA	
1	10"-7' - silty Clay, moderate reddish brown, damp at top, drier with depth, sl plasticity, more friable w/depth (highly weathered rock), occ rock fragments	0.0	
2		0.0	
3		0.0	
4		0.0	
5		0.0	X
6		0.0	
7	7'-8' - friable Shale, moderate reddish brown, only sl damp, friable by hand	0.0	
8		0.0	

Location: PTGP-03

Depth (ft)	Description	PID	Sample Interval
0	0-6" - silty Clay, w/grass and roots, moderate reddish brown, damp, moderate plasticity	NA	
1	6"-7' - silty Clay, highly weathered rock, w/occ rock fragments, moderate reddish brown, more friable with depth and less damp, low plasticity, more of a contact at 7'	0.0	
2		0.0	
3		0.0	
4		0.0	
5		0.0	
6		0.0	X
7	7'-8' - Shale, moderate reddish brown, sl damp, friable	0.0	
8		0.0	

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/19/13 **Date Completed:** 6/19/13

Location: PTGP-04

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-12" - soil mixed with gravel, crush run, from Amtrak property, preservative odor, dark yellowish brown, some plasticity for soil, piece of wood 8"-9"	0.0	
1	1'-6' - silty Clay, moderate reddish brown, damp, sl gray mottling at 3', low plasticity	0.0	
2		0.0	
3		0.0	
4		0.0	
5		0.0	
6	6'-7' - silty Clay, drier than above, shale bedrock at 6.5 feet	0.0	X
7		0.0	
8		0.0	

Location: PTGP-05

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-12" - silty Clay, moderate reddish brown, damp, slight plasticity, abrupt change at 1'	NA	
1	1'-8' - silty Clay, moderate reddish brown, weathered rock, more weathered w/depth, damp, slight plasticity	3.0	
2		0.9	
3		2.4	
4		1.4	
5		2.5	
6		5.3	X
7		3.9	
8		1.0	

Location: PTGP-06

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-12" - silty Clay, developed soil w/grass and roots, moderate yellowish brown, damp, slight plasticity, stiff	NA	
1	1'-6.5' - silty Clay, moderate reddish brown, damp, slight plasticity, top 2' may be fill, much stiffer below 2'	0.5	
2		1.2	
3		1.2	
4		1.5	
5		0.7	
6	6.5-7.5' - as above with light gray mottling	0.4	
7	7.5' - Shale bedrock.	0.4	X
8		0.3	

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/19/13 Date Completed: 6/19/13

Location: PTGP-07

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-10" - silty Clay, moderate yellowish brown, moist, moderate plasticity, soft	1.0	
1	10"-6' - silty Clay, moderate reddish brown, damp, stiff, w/occ rock fragments	2.2	
2	plasticity decreases w/depth, (saprolite from 2' down)	2.0	X
3		0.9	
4		1.1	
5		0.8	
6	6'-6.5' - as above, wet, still stiff, more rock fragments 6.5'-7.5' - as above w/light gray mottling	1.1	
7	7.5'-8' - Shale, moderate reddish brown, damp but almost dry, no plasticity	0.3	
8		1.3	

Location: PTGP-08

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-0.5' - Fill, dark yellowish brown, w/angular crushed run from RR track area, dark color moist, soft	3.9	
1	0.5'-4' - silty Clay, moderate reddish brown, w/occ rock fragments, damp, low to no plasticity	4.1	
2		2.8	
3		4.2	
4	4'-7' - as above w/ light brown mottling, very friable, damp, dense/stiff	1.2	
5		0.3	
6		0.2	
7	7'-8' Shale, moderate reddish brown, almost dry	0.7	
8		0.0	

Location: PTGP-09

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-1' - silty Clay, w/gray rock fragments (Fill), damp, no plasticity, stiff	0.8	
1	1'-4' silty Clay, moderate reddish brown, w/reddish fragments	1.0	
2		1.1	
3		0.8	
4	4'-6.5' - silty Clay, w/fewer fragments, moderate reddish brown, damp, very stiff	2.8	
5		0.2	
6	6.5'-7' - silty Clay, moderate reddish brown, more friable, massive, no laminations, almost dry, very dense, stiff	0.5	
7	7'-8' - moderate reddish brown, very dense	1.0	
8		1.4	

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/19/13 Date Completed: 6/19/13

Location: PTGP-10

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-1.5' - silty Clay, moderate yellowish brown, moist, moderate plasticity, soft	NA	
1	1.5'-6' - silty Clay, moderate reddish brown, w/occ rock fragments, slight plasticity, very stiff/dense	0.1	
2		2.0	
3		0.7	
4		0.4	
5		1.8	
6	6.5'-8' - Mudstone to Shale, moderate reddish brown, nearly dry, very stiff/dense but friable	2.8	X
7		0.9	X
8		0.0	

Location: PTGP-11

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-0.5' - silty Clay, moderate yellowish brown, soil, moist, moderate plasticity, stiff	7.2	
1	0.5' - 6.75' - silty Clay, w/occ rock fragments, moderate reddish brown, damp, stiff	2.7	X
2		1.1	
3		1.1	
4		0.8	
5		0.5	
6	6.75'-8' - Shale to Mudstone, moderate reddish brown, dry, friable, very stiff/dense	0.4	
7		0.0	
8		0.0	

Location: PTGP-12

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-1.5' - silty Clay, moderate yellowish brown, w/abundant rock fragments, moist, moderate plasticity, soft to stiff	0.0	
1	1.5'-2' - silty Clay, moderate reddish brown, damp, sl plasticity, stiff	0.6	
2	2'-2.75' - silty Clay, moderate yellowish brown, moist, moderate plasticity	0.0	
3	2.75'-7.5' - silty Clay, w/occ rock fragments, moderate reddish brown, some mottling 7'-7.5', damp, stiff	0.5	X
4		0.0	
5		0.0	
6		0.0	
7	7.5'-8' - silty Clay to Shale/Mudstone, moderate reddish brown, difficult contact, likely all bedrock	0.0	
8		1.0	

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/20/13 Date Completed: 6/20/13

Location: PTGP-13

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-0.5' - silty Clay, w/grass and roots, moderate yellowish brown, moist, soft	21.5	
1	0.5'-2' - silty Clay, moderate reddish brown, moist, soft	58.0	X
2	2'-4' - silty Clay, moderate reddish brown, w/gray mottling, damp, stiff	21.0	
3		18.0	
4	4'-5' - silty Clay, moderate reddish brown, almost dry, very dense	19.0	X
5	5'-8' - Shale/Mudstone, moderate reddish brown, highly weathered, almost dry, very friable	17.0	
6		6.8	
7		12.1	
8		19.0	

Location: PTGP-14

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-8" - silty Clay, w/grass and roots, moderate yellowish brown, moist, soft	55.0	
	8"-1' - silty Clay, moderate reddish brown, moist, soft		
1	1'-4' - silty Clay, moderate reddish brown, light gray mottling, damp, stiff	48.0	X
2		28.0	
3		24.0	
4	4'-7' - silty Clay, w/abundant rock fragments, moderate reddish brown, damp, stiff/dense	24.0	X
5		19.0	
6		15.0	
7	7'-8' - Shale to Mudstone, moderate reddish brown, almost dry, friable	7.3	
8		12.7	

Location: PTGP-15

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-1' - silty Clay, w/grass at surface, moderate yellowish brown, moist, soft	42.0	
1	1'-4' - silty Clay, moderate reddish brown, damp, slight plasticity, stiff	32.0	
2		68.0	X
3		69.0	
4	4'-7' - silty Clay to Shale/Mudstone, abundant rock fragments, moderate reddish brown, almost dry, friable	51.0	
5		21.0	
6		8.0	
7	7'-8' - Shale/Mudstone, moderate reddish brown, dry, friable	5.6	
8			

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/20/13 Date Completed: 6/20/13

Location: PTGP-16

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-1' - silty Clay, moderate yellowish brown, grades to moderate reddish brown by 1', damp, moderate plasticity, soft	28.0	
1	1'-4' - silty Clay, moderate reddish brown, damp, moderate plasticity to 2', stiffness increases w/depth	25.0	
2		44.0	
3		52.0	X
4	4'-7' - silty Clay, very weathered bedrock, moderate reddish brown, w/abundant rock fragments, damp	20.0	
5		9.0	
6		11.0	
7	7'-8' - Shale/Mudstone, weathered, w/rock fragments, moderate reddish brown, almost dry, friable, dense	7.0	
8		8.5	

Location: PTGP-17

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-1.5' - silty Clay, moderate yellowish brown, mixed w/ asphalt fragments (Fill), and light colored rock fragments, damp	23.0	
1	1.5'-8', silty Clay, w/occ rock fragments, moderate reddish brown, damp, stiff/dense, very dense at bottom, but not friable	20.0	
2		15.0	
3		12.0	
4		10.2	
5		8.0	
6		18.0	
7		22.0	
8		30.0	X

Location: PTGP-18

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-8" - silty Clay, w/grass and pieces of gravel (Fill), moderate yellowish to reddish brown, damp, low plasticity	2.4	
1	8"-6.5' - silty Clay, w/occ rock fragments, moderate reddish brown, damp, very stiff	3.5	
2		4.4	
3		3.0	
4		5.2	X
5		1.0	
6	6.5'-8' - as above, but more friable, damp, sl cohesive, more damp than most locations	1.4	
7		2.3	
8		2.3	

Project Name: ABB/Kema
Project Number: 077128
Location: Chalfont, Pennsylvania
CRA Supervisor: William Daniels P.G.

Drilling Contractor: Eichelbergers Drilling, Inc.
Driller: Mike Livingston
Drilling Method: GeoProbe Direct Push
Date: Start: 6/20/13 Date Completed: 6/20/13

Location: PTGP-19

<u>Depth (ft)</u>	<u>Description</u>	<u>PID</u>	<u>Sample Interval</u>
0	0-8" - silty Clay, w/grass/roots, moderate yellowish brown, damp, moderate plasticity, soft	0.9	
1	8"-7' - silty Clay, w/occ rock fragments, rock fragments increase w/depth, moderate reddish brown, occ gray/light brown mottling, low plasticity, dense/stiff	5.4	
2		6.1	X
3		4.8	
4		0.9	
5		1.8	
6		1.1	
7	7'-8' - Mudstone and Shale, moderate reddish brown, almost dry, friable, dense/stiff	1.0	
8		0.0	

HAGER-RICHTER GEOSCIENCE, INC.

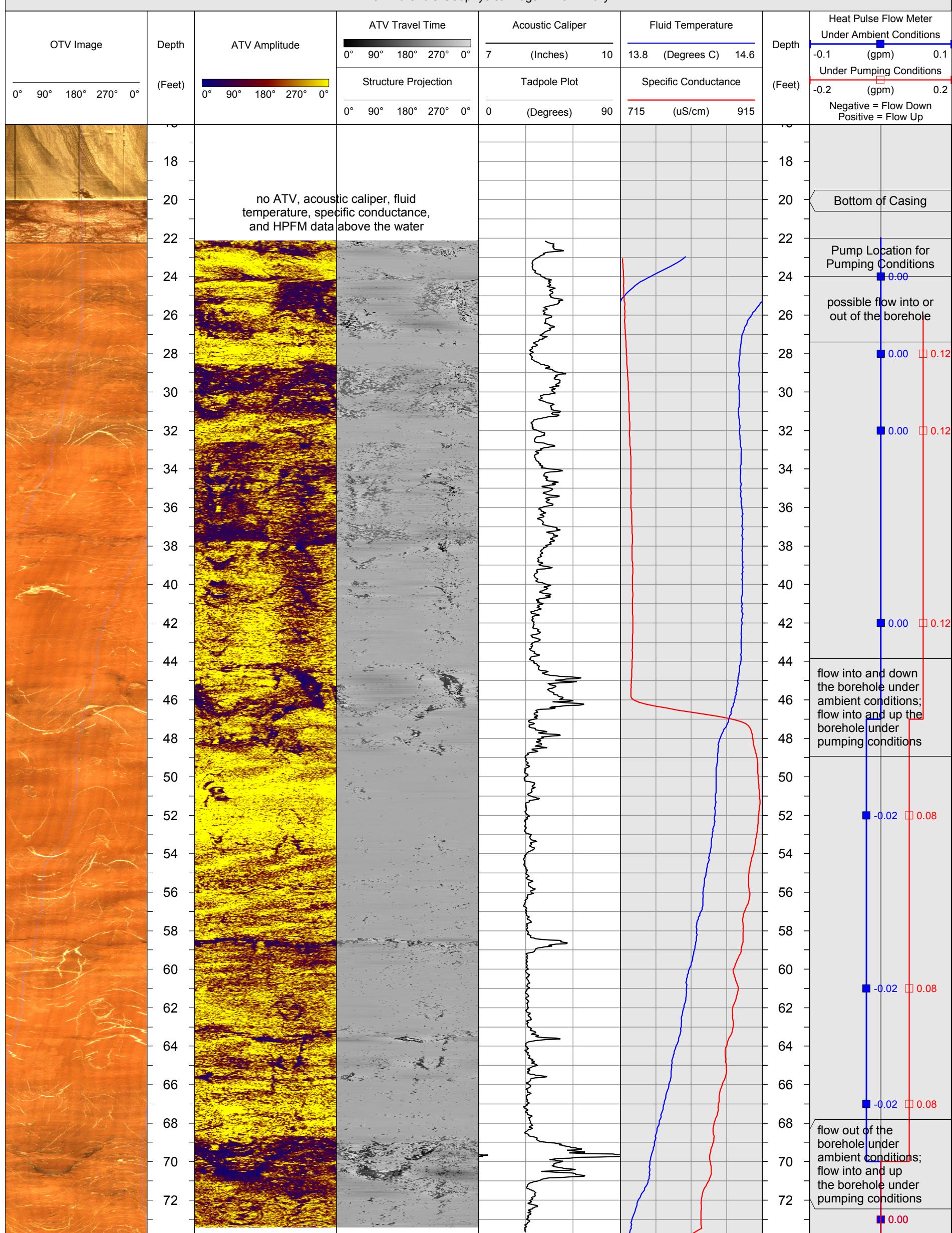
846 Main Street
Fords, NJ 08863
Phone: 732-661-0555
Fax: 732-661-0123

MW-5 - BOREHOLE GEOPHYSICAL LOGS - PRELIMINARY

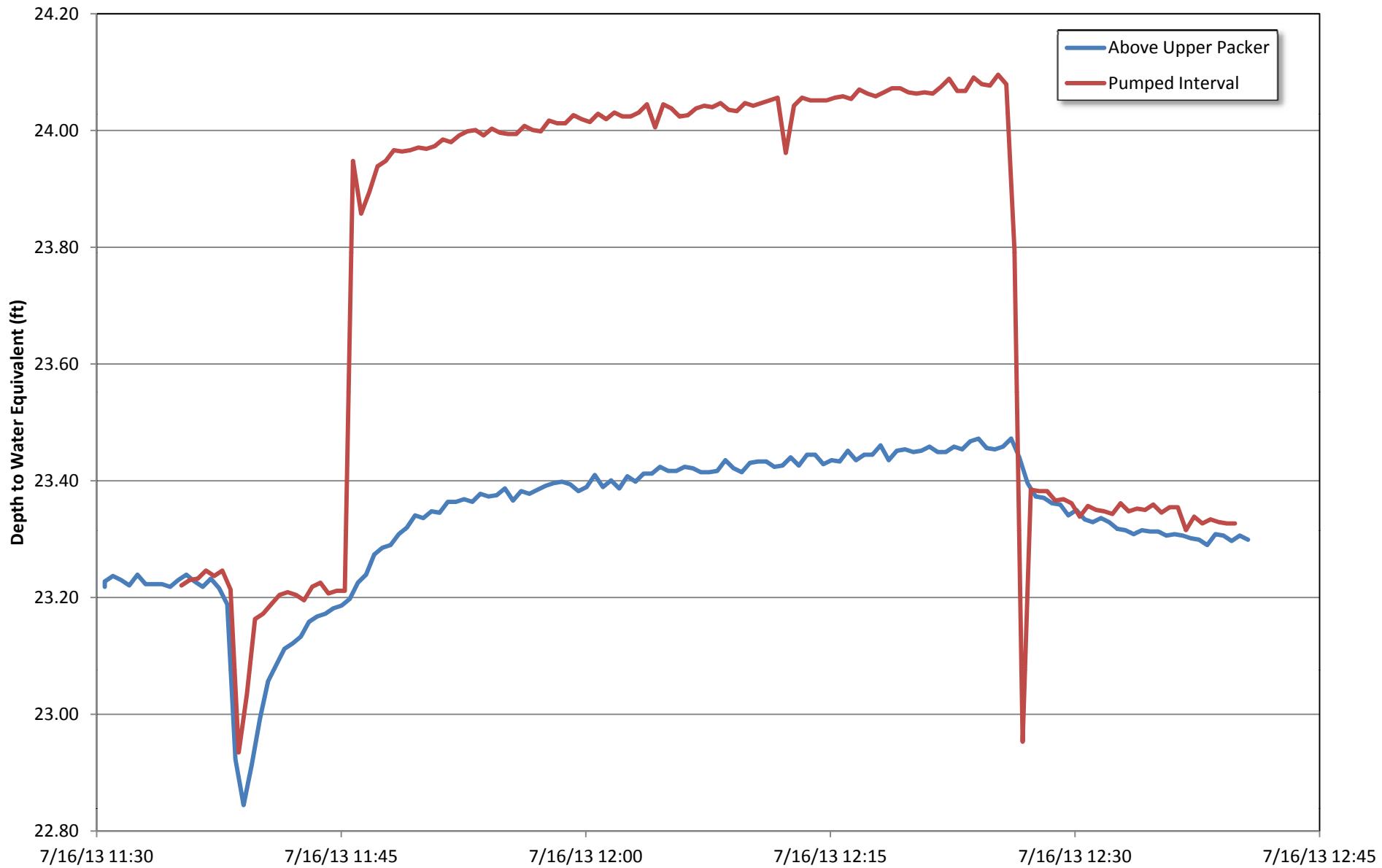
DATE LOGGED: July 15, 2013

CLIENT:	Conestoga Rovers & Associates	H-R FILE:	13RG58
PROJECT:	ABB-Chalfont	LOG DATUM:	Ground Surface
LOCATION:	Chalfont, Pennsylvania	ORIENTATION REFERENCE:	True North (Magnetic Declination = 12° West)
LOGGING GEOPHYSICIST(S):	Robert Garfield & Mikko Aarnio	TOP OF CASING:	0.95 Feet Above the Ground Surface
CLIENT REP. ON-SITE:	William Daniels	BOREHOLE DIAMETER:	8 Inches
LOGS PROCESSED BY:	Robert Garfield	WATER LEVEL DEPTH:	22.2 Feet

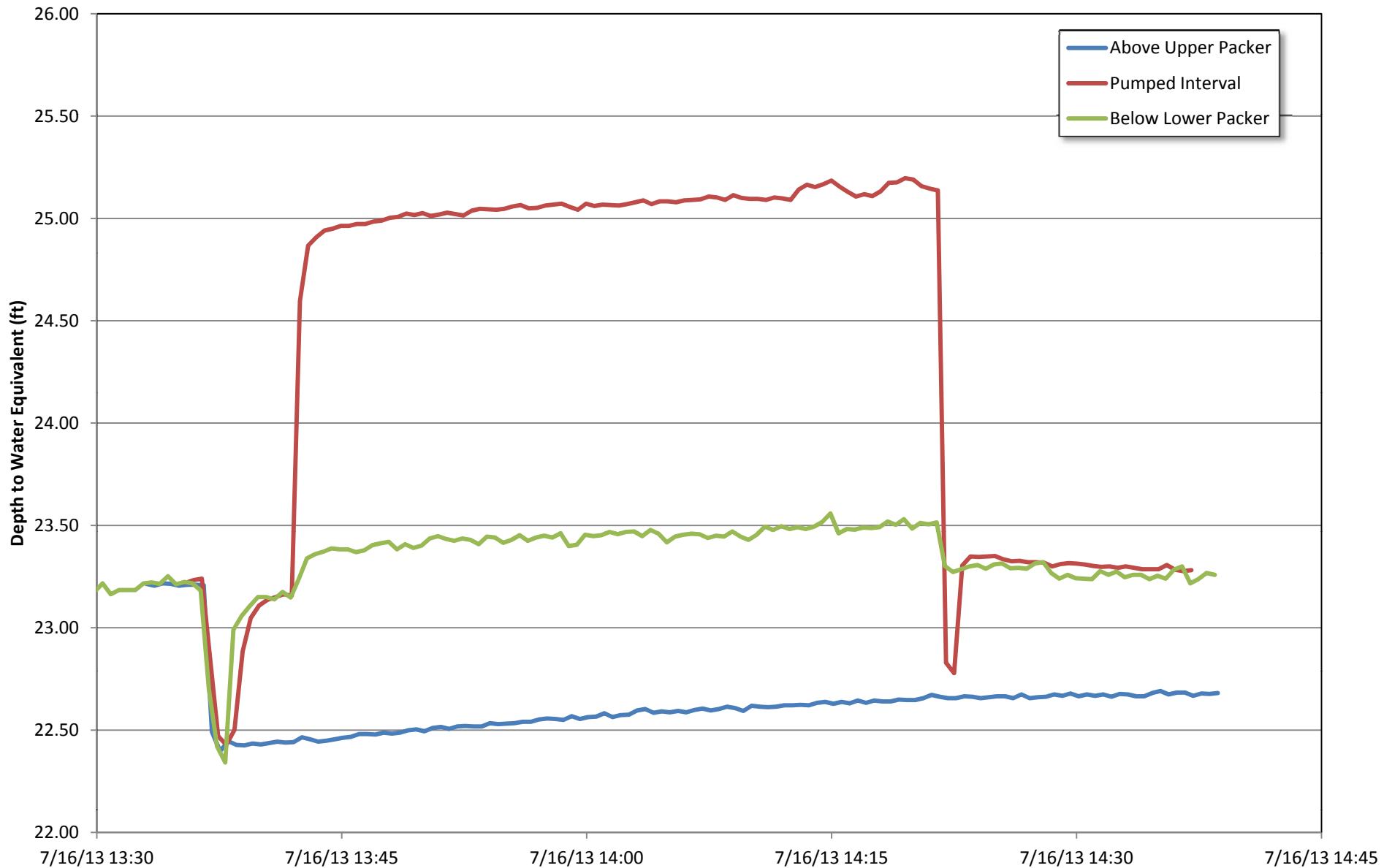
MW-5 - Borehole Geophysical Logs - Preliminary



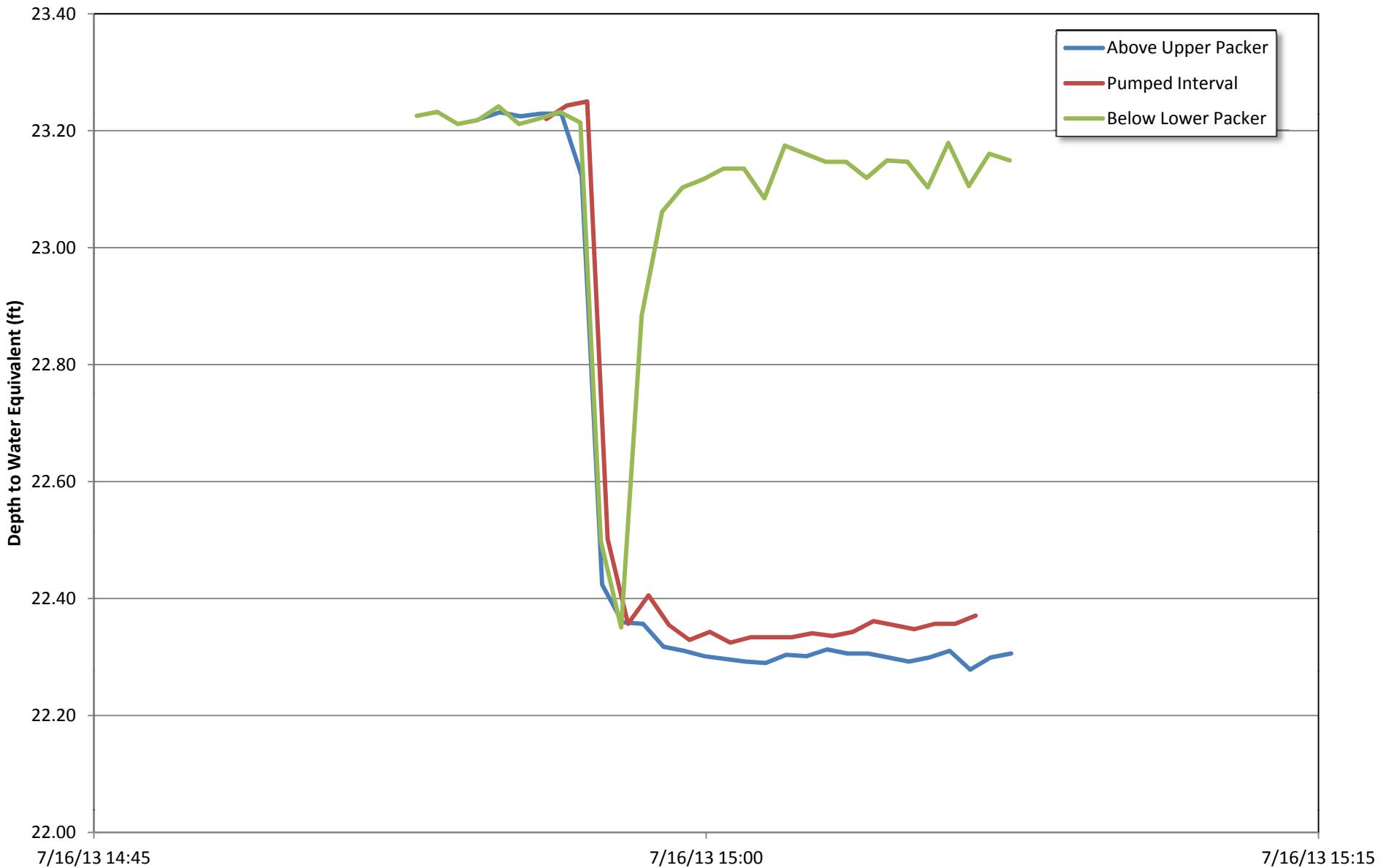
PACKER TEST DATA (BELOW 68 FOOT INTERVAL)
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFON, PA



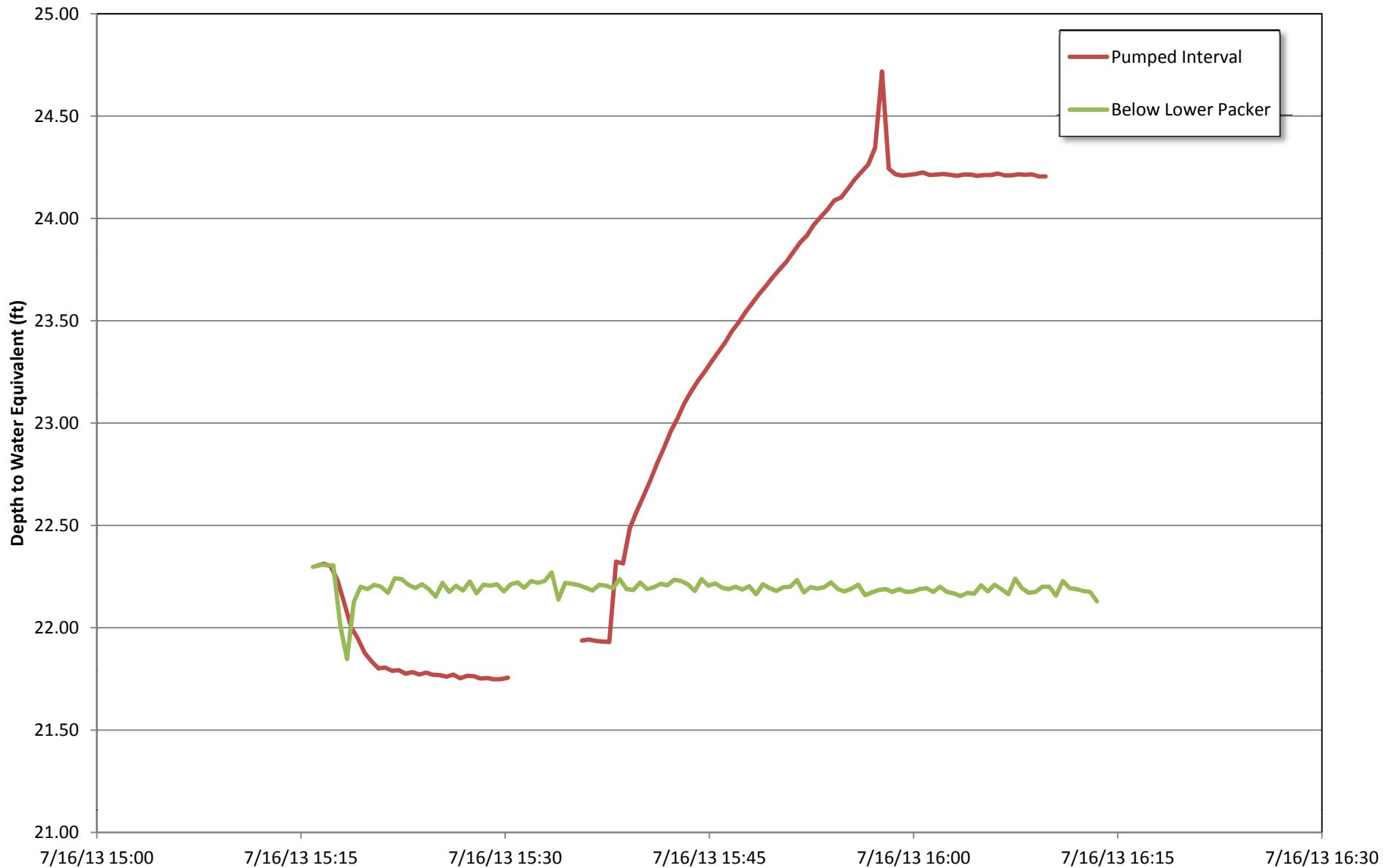
PACKER TEST DATA (43 to 48 FOOT INTERVAL)
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFON, PA



PACKER TEST DATA (28 to 33 FOOT INTERVAL)
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFON, PA



PACKER TEST DATA (23 to 28 FOOT INTERVAL)
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFON, PA



ATTACHMENT B

GROUNDWATER SAMPLING FIELD DATA SHEETS



LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 2

SITE: ABB- 077128
 DATE: 8/30/13
 WEATHER: 80° S sunny

CONSULTING FIRM: CRA
 FIELD PERSONNEL: Jeff Schmid

MONITOR WELL #: MW SD WELL DEPTH: 73.90 INCHES
 WELL PERMIT #: WELL DIAMETER: 2 Inches

SCREENED/OPEN INTERVAL: _____

PID/FID READINGS (ppm): BACKGROUND: _____
 BENEATH OUTER CAP: _____
 BENEATH INNER CAP: _____

PUMP INTAKE DEPTH: 68 ft below TOC
 DEPTH TO WATER BEFORE PUMP INSTALLATION: 23.85 ft below TOC

TIME	PURGING SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1010	X	7.53	NA	0.832	NA	108	NA	22.93	NA	69.6	NA	19.97	NA	150	23.47
1015	X	7.56		0.830		118		9.32		47.0		20.59		150	23.47
1020	X	7.59		0.821		121		7.98		32.9		21.13		150	23.47
1025	X	7.60		0.814		124		7.04		27.6		22.25		150	23.45
1030	X	7.61		0.805		126		6.56		26.1		22.64		150	23.45
1035	X	7.61		0.797		135		6.53		24.0		22.67		150	23.45
1040	X	7.61		0.791		131		5.75		22.3		22.66		150	23.45
1045	X	7.61		0.792		132		5.17		22.4		22.24		150	23.45
1050	X	7.61		0.796		132		5.15		22.26		22.29		150	23.45
1055	X	7.61		0.791		133		4.98		22.37		22.39		150	23.46
1100	X	7.61		0.790		134		4.82		21.5		22.34		150	23.45

COMMENTS:

START pulse 1010

sample time 1115

GW - MW SD - 077128 - 0830-13 -

J5 - 001

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; $\pm 3\%$ for Specific Conductivity and Temperature;
 ± 10 mv for Redox Potential; and $\pm 10\%$ for Dissolved Oxygen and Turbidity

Dup = 002 = 1125
 MB = 001
 MSD = 001



LOW FLOW SAMPLING DATA SHEET

SHEET 2 OF 2

SITE: ABR/KCMA 077128
DATE: 8/30/2013
WEATHER: 80's SUNNY

CONSULTING FIRM: CRA
FIELD PERSONNEL: Jeff Schneider

MONITOR WELL #: MW 5 D WELL DEPTH: 73.90 SCREENED/OPEN INTERVAL: _____
WELL PERMIT #: WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): BACKGROUND: _____ PUMP INTAKE DEPTH: 68 ft below TOC
BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 23.45 ft below TOC
BENEATH INNER CAP: _____

COMMENTS: S/T = 1115 (well + MS/MSD)
.....(S/D S/T)

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; $\pm 3\%$ for Specific Conductivity and Temperature; ± 10 mV for Redox Potential; and $\pm 10\%$ for Dissolved Oxygen and Turbidity



LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 2

SITE: ABB 077128
 DATE: 8/30/13
 WEATHER: 80°5 sunny

CONSULTING FIRM: CRA
 FIELD PERSONNEL: J. Schneider

MONITOR WELL #: MWSS WELL DEPTH: 51.20 SCREENED/OPEN INTERVAL: _____
 WELL PERMIT #: _____ WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): BACKGROUND: _____ PUMP INTAKE DEPTH: 46' ft below TOC
 BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 26.91 ft below TOC
 BENEATH INNER CAP: _____

TIME	PURGING SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1200	X	9.84	NA	1.17	NA	47.0	NA	12.85	NA	53.6	NA	19.41	NA	150	24.00
1205	X	9.85		1.17		45.0		11.60		49.1		19.47		150	23.95
1210	X	9.62		1.13		47.0		10.31		47.0		19.45		150	23.96
1215	X	9.53		1.13		50.0		9.83		51.7		19.24		150	23.96
1220	X	9.38		1.12		55.0		9.09		55.1		19.07		150	23.96
1225	X	9.29		1.12		59.0		8.78		58.4		19.20		150	23.96
1230	X	9.19		1.12		66.7		8.41		67.0		19.33		150	23.97
1235	X	9.14		1.13		66.0		8.23		69.2		19.38		150	23.96
1240	X	9.02		1.13		71.0		8.01		73.9		19.19		150	23.96
1245	X	8.98		1.13		75.0		7.81		96.3		19.33		150	23.96
1250	X	8.92		1.14		78.0		7.63		105		19.38		150	23.97

COMMENTS:

START purple 1200

Sample Time 13:10 (GFS-MWSS-077128-08/30/13 JS-003)

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; $\pm 3\%$ for Specific Conductivity and Temperature;
 ± 10 mv for Redox Potential; and $\pm 10\%$ for Dissolved Oxygen and Turbidity



LOW FLOW SAMPLING DATA SHEET

SHEET 5 OF 2

SITE: ABB-077128
DATE: 8-30-13
WEATHER: Overcast - 80's

CONSULTING FIRM: CRA
FIELD PERSONNEL: T. Schreider

MONITOR WELL #: MW 5 S WELL DEPTH: 51.20 SCREENED/OPEN INTERVAL: _____
WELL PERMIT #: WELL DIAMETER: 2 1/2 Inches

PID/FID READINGS (ppm): BACKGROUND: _____ PUMP INTAKE DEPTH: 46' ft below TOC
BENEATH OUTER CAP: _____ DEPTH TO WATER BEFORE PUMP INSTALLATION: 26.91 ft below TOC
BENEATH INNER CAP: _____

COMMENTS:

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; $\pm 3\%$ for Specific Conductivity and Temperature; ± 10 mV for Redox Potential; and $\pm 10\%$ for Dissolved Oxygen and Turbidity

ATTACHMENT C

ANALYTICAL RESULTS SUMMARY TABLES

GROUNDWATER SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFONTE, PA

Analyte	Units	EPA Maximum Contaminant Level (MCL)	Packer Test Sampling	Packer Test Sampling	Packer Test Sampling	Packer Test Sampling
			(Below 68 FBG)	(43-48 FBG)	(43-48 FBG) DUP	TRIP BLANK
			WA-77128-071613-WD-001	WA-77128-071613-WD-002	WA-77128-071613-WD-002-DUP	TRIP BLANK
Acetone	ug/l	NA	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)
Benzene	ug/l	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Bromo-chloromethane	ug/l	80	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
Bromo-dichloromethane	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Bromoform	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Bromo-methane	ug/l	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
2-Butanone (MEK)	ug/l	NA	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
Carbon disulfide	ug/l	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Carbon tetrachloride	ug/l	5	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Chlorobenzene	ug/l	100	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	ug/l	NA	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Chloroform	ug/l	NA	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
Chloro-methane	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Cyclohexane	ug/l	NA	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)
1,2-Dibromo-3-chloropropane	ug/l	0.2	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
Dibromo-chloromethane	ug/l	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
1,2-Dibromoethane	ug/l	0.05	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,2-Dichlorobenzene	ug/l	600	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,3-Dichlorobenzene	ug/l	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,4-Dichlorobenzene	ug/l	75	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
Dichloro-difluoromethane	ug/l	NA	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
1,1-Dichloroethane	ug/l	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	ug/l	5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
1,1-Dichloroethene	ug/l	7	0.74 J	1.0	1.0	ND (0.19)
cis-1,2-Dichloroethene	ug/l	70	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
trans-1,2-Dichloroethene	ug/l	100	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
1,2-Dichloropropane	ug/l	5	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
cis-1,3-Dichloropropene	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
trans-1,3-Dichloropropene	ug/l	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Ethylbenzene	ug/l	700	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Freon 113	ug/l	NA	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
2-Hexanone	ug/l	NA	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)
Isopropylbenzene	ug/l	NA	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Methyl Acetate	ug/l	NA	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Methylcyclohexane	ug/l	NA	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Methyl Tert Butyl Ether	ug/l	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
4-Methyl-2-pentanone(MIBK)	ug/l	NA	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene chloride	ug/l	5	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
Styrene	ug/l	100	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
1,1,2,2-Tetrachloroethane	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Tetrachloroethene	ug/l	5	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
Toluene	ug/l	1000	1.0	0.53 J	0.62 J	ND (0.23)
1,2,3-Trichlorobenzene	ug/l	NA	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
1,2,4-Trichlorobenzene	ug/l	70	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,1,1-Trichloroethane	ug/l	200	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,1,2-Trichloroethane	ug/l	5	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Trichloroethene	ug/l	5	0.60 J	ND (0.22)	ND (0.22)	ND (0.22)
Trichlorofluoromethane	ug/l	NA	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Vinyl chloride	ug/l	2	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
m,p-Xylene	ug/l	* seeTotal Xylenes	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
o-Xylene	ug/l	* seeTotal Xylenes	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Xylene (total)	ug/l	10000	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,4-Dioxane	ug/l	NA	ND (0.86)	2.5	2.5	ND (0.86)

Notes:

J - Estimated concentration.

ND - Non-detect at the indicated detection limit.

NA - EPA has not established an MCL.

GROUNDWATER SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFON, PA

Analyte	Units	EPA Maximum Contaminant Level (MCL)	Monitoring Well Sampling		Monitoring Well Sampling		Monitoring Well Sampling	
			MW-05D Dup	MW-05D	MW-05S	TRIP BLANK		
			GW-077128-FD-083013-JS-002	GW-077128-MW5D-083013-JS-001	GW-077128-MW5S-083013-JS-003	TRIP BLANK		
Acetone	ug/l	NA	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)		
Benzene	ug/l	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)		
Bromo-chloromethane	ug/l	80	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)		
Bromo-dichloromethane	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
Bromoform	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
Bromo-methane	ug/l	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)		
2-Butanone (MEK)	ug/l	NA	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)		
Carbon disulfide	ug/l	NA	ND (0.19)	ND (0.19)	0.33 J	ND (0.19)		
Carbon tetrachloride	ug/l	5	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)		
Chlorobenzene	ug/l	100	ND (0.23)	ND (0.23)	ND (0.23)	1.1		
Chloroethane	ug/l	NA	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)		
Chloroform	ug/l	NA	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)		
Chloro-methane	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
Cyclohexane	ug/l	NA	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)		
1,2-Dibromo-3-chloropropane	ug/l	0.2	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)		
Dibromo-chloromethane	ug/l	NA	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)		
1,2-Dibromoethane	ug/l	0.05	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)		
1,2-Dichlorobenzene	ug/l	600	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)		
1,3-Dichlorobenzene	ug/l	NA	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)		
1,4-Dichlorobenzene	ug/l	75	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)		
Dichloro-difluoromethane	ug/l	NA	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)		
1,1-Dichloroethane	ug/l	NA	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)		
1,2-Dichloroethane	ug/l	5	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)		
1,1-Dichloroethene	ug/l	7	0.91 J	0.85 J	1.0	ND (0.19)		
cis-1,2-Dichloroethene	ug/l	70	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)		
trans-1,2-Dichloroethene	ug/l	100	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
1,2-Dichloropropane	ug/l	5	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)		
cis-1,3-Dichloropropene	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
trans-1,3-Dichloropropene	ug/l	NA	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)		
Ethylbenzene	ug/l	700	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)		
Freon 113	ug/l	NA	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)		
2-Hexanone	ug/l	NA	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)		
Isopropylbenzene	ug/l	NA	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)		
Methyl Acetate	ug/l	NA	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)		
Methylcyclohexane	ug/l	NA	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)		
Methyl Tert Butyl Ether	ug/l	NA	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)		
4-Methyl-2-pentanone(MIBK)	ug/l	NA	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)		
Methylene chloride	ug/l	5	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)		
Styrene	ug/l	100	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
1,1,2,2-Tetrachloroethane	ug/l	NA	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
Tetrachloroethene	ug/l	5	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)		
Toluene	ug/l	1000	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)		
1,2,3-Trichlorobenzene	ug/l	NA	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)		
1,2,4-Trichlorobenzene	ug/l	70	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)		
1,1,1-Trichloroethane	ug/l	200	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)		
1,1,2-Trichloroethane	ug/l	5	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)		
Trichloroethene	ug/l	5	0.75 J	0.73 J	ND (0.22)	ND (0.22)		
Trichlorofluoromethane	ug/l	NA	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)		
Vinyl chloride	ug/l	2	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)		
m,p-Xylene	ug/l	* seeTotal Xylenes	0.52 J	0.49 J	0.42 J	ND (0.42)		
o-Xylene	ug/l	* seeTotal Xylenes	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)		
Xylene (total)	ug/l	10000	0.52 J	0.49 J	0.42 J	ND (0.24)		
1,4-Dioxane	ug/l	NA	ND (0.86)	ND (0.86)	ND (0.86)	ND (0.86)		

Notes:

J - Estimated concentration.

ND - Non-detect at the indicated detection limit.

NA - EPA has not established an MCL.

SOIL SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFONT, PA

Analyte	Units	PTGP-01 (5.5 - 6 feet)	PTGP-02 (5.5 - 6 feet)	PTGP-03 (6.5 - 7 feet)	PTGP-04 (5.5 - 6 feet)	PTGP-05 (5.5 - 6 feet)
		180-22410-1 SO-77128-061913-WD-001 6/19/2013 11:00 AM	180-22410-2 SO-77128-061913-WD-002 6/19/2013 11:30 AM	180-22410-3 SO-77128-061913-WD-003 6/19/2013 12:00 PM	180-22410-4 SO-77128-061913-WD-004 6/19/2013 12:35 PM	180-22410-5 SO-77128-061913-WD-005 6/19/2013 1:30 PM
Percent Moisture	%	14	12	14	13	14
Percent Solids	%	86	88	86	87	86
1,4-Dioxane	ug/Kg	ND	ND	ND	ND	ND
Acetone	ug/Kg	ND	ND	ND	ND	ND
Benzene	ug/Kg	ND	ND	ND	ND	ND
Bromodichloromethane	ug/Kg	ND	ND	ND	ND	ND
Bromoform	ug/Kg	ND	ND	ND	ND	ND
Bromomethane	ug/Kg	ND	ND	ND	ND	ND
2-Butanone (MEK)	ug/Kg	ND	ND	ND	ND	ND
Carbon disulfide	ug/Kg	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/Kg	ND	ND	ND	ND	ND
Chlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Chloroethane	ug/Kg	ND	ND	ND	ND	ND
Chloroform	ug/Kg	ND	ND	ND	ND	ND
Chloromethane	ug/Kg	ND	ND	ND	ND	ND
Dibromochloromethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/Kg	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
Ethylbenzene	ug/Kg	ND	ND	ND	ND	ND
2-Hexanone	ug/Kg	ND	ND	ND	ND	ND
Methylene Chloride	ug/Kg	3.1 J B	2.8 J B	3.0 J B	2.9 J B	3.4 J B
4-Methyl-2-pentanone (MIBK)	ug/Kg	ND	ND	ND	ND	ND
Styrene	ug/Kg	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/Kg	ND	ND	ND	ND	ND
Tetrachloroethene	ug/Kg	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
Trichloroethene	ug/Kg	ND	ND	ND	ND	ND
Vinyl chloride	ug/Kg	ND	ND	ND	ND	ND
Xylenes, Total	ug/Kg	ND	ND	ND	ND	ND
Cyclohexane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ug/Kg	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/Kg	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
Isopropylbenzene	ug/Kg	ND	ND	ND	ND	ND
Methyl acetate	ug/Kg	ND	ND	ND	ND	ND
Methylcyclohexane	ug/Kg	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ug/Kg	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Toluene	ug/Kg	ND	ND	ND	ND	ND

Notes:

J - Estimated concentration.

JB - Estimated concentration. Not detected substantially above the level reported in laboratory or field blanks.

ND - Non-detect.

SOIL SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFONT, PA

Analyte	Units	PTGP-06 (6 - 6.5 feet)	PTGP-07 (1 - 1.5 feet)	PTGP-08 (3 - 3.5 feet)	PTGP-09 (4 - 4.5 feet)	PTGP-10 (5.5 - 6 feet)
		180-22410-6 SO-77128-061913-WD-006 6/19/2013 1:55 PM	180-22410-7 SO-77128-061913-WD-007 6/19/2013 2:22 PM	180-22410-8 SO-77128-061913-WD-008 6/19/2013 2:57 PM	180-22410-9 SO-77128-061913-WD-009 6/19/2013 3:40 PM	180-22410-10 SO-77128-061913-WD-010 6/19/2013 4:15 PM
Percent Moisture	%	11	13	15	16	13
Percent Solids	%	89	87	85	84	87
1,4-Dioxane	ug/Kg	ND	ND	ND	ND	ND
Acetone	ug/Kg	ND	ND	ND	ND	ND
Benzene	ug/Kg	ND	ND	ND	ND	ND
Bromodichloromethane	ug/Kg	ND	ND	ND	ND	ND
Bromoform	ug/Kg	ND	ND	ND	ND	ND
Bromomethane	ug/Kg	ND	ND	ND	ND	ND
2-Butanone (MEK)	ug/Kg	ND	ND	ND	ND	ND
Carbon disulfide	ug/Kg	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/Kg	ND	ND	ND	ND	ND
Chlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Chloroethane	ug/Kg	ND	ND	ND	ND	ND
Chloroform	ug/Kg	ND	ND	ND	ND	ND
Chloromethane	ug/Kg	ND	ND	ND	ND	ND
Dibromochloromethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/Kg	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
Ethylbenzene	ug/Kg	ND	ND	ND	ND	ND
2-Hexanone	ug/Kg	ND	ND	ND	ND	ND
Methylene Chloride	ug/Kg	3.6 J B	3.0 J B	3.3 J B	3.3 J B	3.5 J B
4-Methyl-2-pentanone (MIBK)	ug/Kg	ND	ND	ND	ND	ND
Styrene	ug/Kg	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/Kg	ND	ND	ND	ND	ND
Tetrachloroethene	ug/Kg	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
Trichloroethene	ug/Kg	ND	ND	ND	ND	ND
Vinyl chloride	ug/Kg	ND	ND	ND	ND	ND
Xylenes, Total	ug/Kg	ND	ND	ND	ND	ND
Cyclohexane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ug/Kg	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/Kg	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
Isopropylbenzene	ug/Kg	ND	ND	ND	ND	ND
Methyl acetate	ug/Kg	ND	ND	ND	ND	ND
Methylcyclohexane	ug/Kg	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ug/Kg	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Toluene	ug/Kg	ND	ND	ND	ND	ND

Notes:

J - Estimated concentration.

JB - Estimated concentration. Not detected substantially above the level reported in laboratory or field blanks.

ND - Non-detect.

SOIL SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFONT, PA

Analyte	Units	PTGP-10 DUP (6 - 6.5 feet)	PTGP-11 (1 - 1.5 feet)	PTGP-12 (3 - 3.5 feet)	PTGP-13 (0.5 - 1 feet)	PTGP-13 (3.5 - 4 feet)
		180-22410-11 SO-77128-061913-WD-010-DUP 6/19/2013 4:15 PM	180-22410-12 SO-77128-061913-WD-011 6/19/2013 4:52 PM	180-22410-13 SO-77128-061913-WD-012 6/19/2013 5:20 PM	180-22410-14 SO-77128-062013-WD-013 6/20/2013 8:52 AM	180-22410-15 SO-77128-062013-WD-014 6/20/2013 8:56 AM
Percent Moisture	%	14	17	16	20	17
Percent Solids	%	86	83	84	80	83
1,4-Dioxane	ug/Kg	ND	ND	ND	ND	ND
Acetone	ug/Kg	ND	ND	ND	ND	ND
Benzene	ug/Kg	ND	ND	ND	ND	ND
Bromodichloromethane	ug/Kg	ND	ND	ND	ND	ND
Bromoform	ug/Kg	ND	ND	ND	ND	ND
Bromomethane	ug/Kg	ND	ND	ND	ND	ND
2-Butanone (MEK)	ug/Kg	ND	ND	ND	ND	ND
Carbon disulfide	ug/Kg	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/Kg	ND	ND	ND	ND	ND
Chlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Chloroethane	ug/Kg	ND	ND	ND	ND	ND
Chloroform	ug/Kg	ND	ND	ND	ND	ND
Chloromethane	ug/Kg	ND	ND	ND	ND	ND
Dibromochloromethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/Kg	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
Ethylbenzene	ug/Kg	ND	ND	ND	ND	ND
2-Hexanone	ug/Kg	ND	ND	ND	ND	ND
Methylene Chloride	ug/Kg	3.1 J B	4.3 J B	2.4 J B	4.4 J B	3.6 J B
4-Methyl-2-pentanone (MIBK)	ug/Kg	ND	ND	ND	ND	ND
Styrene	ug/Kg	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/Kg	ND	ND	ND	ND	ND
Tetrachloroethene	ug/Kg	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
Trichloroethene	ug/Kg	ND	ND	ND	ND	ND
Vinyl chloride	ug/Kg	ND	ND	ND	ND	ND
Xylenes, Total	ug/Kg	ND	ND	ND	ND	ND
Cyclohexane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ug/Kg	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/Kg	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
Isopropylbenzene	ug/Kg	ND	ND	ND	ND	ND
Methyl acetate	ug/Kg	ND	ND	ND	ND	ND
Methylcyclohexane	ug/Kg	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ug/Kg	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Toluene	ug/Kg	ND	ND	ND	ND	ND

Notes:

J - Estimated concentration.

JB - Estimated concentration. Not detected substantially above the level reported in laboratory or field blanks.

ND - Non-detect.

SOIL SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFONT, PA

Analyte	Units	PTGP-14 (0.5 - 1 feet)	PTGP-14 (3.5 - 4 feet)	PTGP-15 (3.5 - 4 feet)	PTGP-16 (2.5 - 3 feet)	PTGP-17 (7 - 7.5 feet)
		180-22410-16 SO-77128-062013-WD-015 6/20/2013 9:37 AM	180-22410-17 SO-77128-062013-WD-016 6/20/2013 9:42 AM	180-22410-18 SO-77128-062013-WD-017 6/20/2013 10:25 AM	180-22410-19 SO-77128-062013-WD-018 6/20/2013 11:30 AM	180-22410-20 SO-77128-062013-WD-019 6/20/2013 12:10 PM
Percent Moisture	%	17	13	10	12	14
Percent Solids	%	83	87	90	88	86
1,4-Dioxane	ug/Kg	ND	ND	ND	ND	ND
Acetone	ug/Kg	ND	5.5 J	ND	ND	4.7 J
Benzene	ug/Kg	ND	ND	ND	ND	ND
Bromodichloromethane	ug/Kg	ND	ND	ND	ND	ND
Bromoform	ug/Kg	ND	ND	ND	ND	ND
Bromomethane	ug/Kg	ND	ND	ND	ND	ND
2-Butanone (MEK)	ug/Kg	ND	ND	ND	ND	ND
Carbon disulfide	ug/Kg	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/Kg	ND	ND	ND	ND	ND
Chlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Chloroethane	ug/Kg	ND	ND	ND	ND	ND
Chloroform	ug/Kg	ND	ND	ND	ND	ND
Chloromethane	ug/Kg	ND	ND	ND	ND	ND
Dibromochloromethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/Kg	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/Kg	ND	ND	ND	ND	ND
Ethylbenzene	ug/Kg	ND	ND	ND	ND	ND
2-Hexanone	ug/Kg	ND	ND	ND	ND	ND
Methylene Chloride	ug/Kg	4.1 J B	4.8 J B	3.6 J B	3.2 J B	3.6 J B
4-Methyl-2-pentanone (MIBK)	ug/Kg	ND	ND	ND	ND	ND
Styrene	ug/Kg	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/Kg	ND	ND	ND	ND	ND
Tetrachloroethene	ug/Kg	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/Kg	ND	ND	ND	ND	ND
Trichloroethene	ug/Kg	ND	ND	ND	ND	ND
Vinyl chloride	ug/Kg	ND	ND	ND	ND	ND
Xylenes, Total	ug/Kg	ND	ND	ND	ND	ND
Cyclohexane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ug/Kg	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/Kg	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/Kg	ND	ND	ND	ND	ND
Isopropylbenzene	ug/Kg	ND	ND	ND	ND	ND
Methyl acetate	ug/Kg	ND	ND	ND	ND	ND
Methylcyclohexane	ug/Kg	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ug/Kg	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/Kg	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/Kg	ND	ND	ND	ND	ND
Toluene	ug/Kg	ND	ND	ND	ND	ND

Notes:

J - Estimated concentration.

JB - Estimated concentration. Not detected substantially above the level reported in laboratory or field blanks.

ND - Non-detect.

SOIL SAMPLE RESULTS
KEMA-POWERTEST, LLC
(FORMERLY POWERTEST, INC.)
CHALFONT, PA

Analyte	Units	PTGP-18 (3.5 - 4 feet)	PTGP-19 (2 - 2.5 feet)
		180-22410-21 SO-77128-062013-WD-020 6/20/2013 12:45 PM	180-22410-22 SO-77128-062013-WD-021 6/20/2013 1:20 PM
Percent Moisture	%	13	15
Percent Solids	%	87	85
1,4-Dioxane	ug/Kg	ND	ND
Acetone	ug/Kg	ND	ND
Benzene	ug/Kg	ND	ND
Bromodichloromethane	ug/Kg	ND	ND
Bromoform	ug/Kg	ND	ND
Bromomethane	ug/Kg	ND	ND
2-Butanone (MEK)	ug/Kg	ND	ND
Carbon disulfide	ug/Kg	ND	ND
Carbon tetrachloride	ug/Kg	ND	ND
Chlorobenzene	ug/Kg	ND	ND
Chloroethane	ug/Kg	ND	ND
Chloroform	ug/Kg	ND	ND
Chloromethane	ug/Kg	ND	ND
Dibromochloromethane	ug/Kg	ND	ND
1,1-Dichloroethane	ug/Kg	ND	ND
1,2-Dichloroethane	ug/Kg	ND	ND
1,1-Dichloroethene	ug/Kg	ND	ND
1,2-Dichloropropane	ug/Kg	ND	ND
cis-1,3-Dichloropropene	ug/Kg	ND	ND
trans-1,3-Dichloropropene	ug/Kg	ND	ND
Ethylbenzene	ug/Kg	ND	ND
2-Hexanone	ug/Kg	ND	ND
Methylene Chloride	ug/Kg	3.8 J B	4.2 J B
4-Methyl-2-pentanone (MIBK)	ug/Kg	ND	ND
Styrene	ug/Kg	ND	ND
1,1,2,2-Tetrachloroethane	ug/Kg	ND	ND
Tetrachloroethene	ug/Kg	ND	ND
1,1,1-Trichloroethane	ug/Kg	ND	ND
1,1,2-Trichloroethane	ug/Kg	ND	ND
Trichloroethene	ug/Kg	ND	ND
Vinyl chloride	ug/Kg	ND	ND
Xylenes, Total	ug/Kg	ND	ND
Cyclohexane	ug/Kg	ND	ND
1,2-Dibromo-3-Chloropropane	ug/Kg	ND	ND
1,2-Dibromoethane (EDB)	ug/Kg	ND	ND
Dichlorodifluoromethane	ug/Kg	ND	ND
cis-1,2-Dichloroethene	ug/Kg	ND	ND
trans-1,2-Dichloroethene	ug/Kg	ND	ND
Isopropylbenzene	ug/Kg	ND	ND
Methyl acetate	ug/Kg	ND	ND
Methylcyclohexane	ug/Kg	ND	ND
Methyl tert-butyl ether	ug/Kg	ND	ND
Trichlorofluoromethane	ug/Kg	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	ND	ND
1,2-Dichlorobenzene	ug/Kg	ND	ND
1,3-Dichlorobenzene	ug/Kg	ND	ND
1,4-Dichlorobenzene	ug/Kg	ND	ND
1,2,4-Trichlorobenzene	ug/Kg	ND	ND
Toluene	ug/Kg	ND	ND

Notes:

J - Estimated concentration.

JB - Estimated concentration. Not detected substantially above the level reported in laboratory or field blanks.

ND - Non-detect.



09/09/13

Technical Report for

Conestoga-Rovers & Associates

KEMA Powertest inc. Chalfonte, PA

077128-003, PO#4061285

Accutest Job Number: JB46270

Sampling Date: 08/30/13



Report to:

**Conestoga-Rovers & Associates
2055 Niagara Falls Blvd.
Niagara Falls, NY 14304
edd@craworld.com; pmcmahon@craworld.com;
jgarges@craworld.com
ATTN: Paul McMahon**

Total number of pages in report: 41



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Nancy T. Cole".

**Nancy Cole
Laboratory Director**

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.**

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Sample Summary

Conestoga-Rovers & Associates

Job No: JB46270KEMA Powertest inc. Chalfonte,PA
Project No: 077128-003, PO#4061285

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB46270-1	08/30/13	11:15 JS	08/31/13	AQ	Ground Water	GW-077128-MW5D-083013-JS-001
JB46270-2	08/30/13	11:25 JS	08/31/13	AQ	Ground Water	GW-077128-FD-083013-JS-002
JB46270-3	08/30/13	13:10 JS	08/31/13	AQ	Ground Water	GW-077128-MW5S-083013-JS-003
JB46270-4	08/30/13	13:10 JS	08/31/13	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: JB46270

Account: Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Collected: 08/30/13

Lab Sample ID Analyte	Client Sample ID Qual	Result/ RL	MDL	Units	Method
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JB46270-1 GW-077128-MW5D-083013-JS-001

1,1-Dichloroethene	0.85 J	1.0	0.19	ug/l	SW846 8260B
Trichloroethene	0.73 J	1.0	0.22	ug/l	SW846 8260B
m,p-Xylene	0.49 J	1.0	0.42	ug/l	SW846 8260B
Xylene (total)	0.49 J	1.0	0.24	ug/l	SW846 8260B

JB46270-2 GW-077128-FD-083013-JS-002

1,1-Dichloroethene	0.91 J	1.0	0.19	ug/l	SW846 8260B
Trichloroethene	0.75 J	1.0	0.22	ug/l	SW846 8260B
m,p-Xylene	0.52 J	1.0	0.42	ug/l	SW846 8260B
Xylene (total)	0.52 J	1.0	0.24	ug/l	SW846 8260B

JB46270-3 GW-077128-MW5S-083013-JS-003

Carbon disulfide	0.33 J	2.0	0.19	ug/l	SW846 8260B
1,1-Dichloroethene	1.0	1.0	0.19	ug/l	SW846 8260B
m,p-Xylene	0.42 J	1.0	0.42	ug/l	SW846 8260B
Xylene (total)	0.42 J	1.0	0.24	ug/l	SW846 8260B

JB46270-4 TRIP BLANK

Chlorobenzene	1.1	1.0	0.23	ug/l	SW846 8260B
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Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: GW-077128-MW5D-083013-JS-001**Lab Sample ID:** JB46270-1**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B BY SIM**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S175275.D	1	09/03/13	VC	n/a	n/a	VS7204
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	104%		36-149%
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460-00-4	4-Bromofluorobenzene	117%		34-135%
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ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

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Client Sample ID: GW-077128-MW5D-083013-JS-001**Lab Sample ID:** JB46270-1**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E94280.D	1	09/05/13	TYG	n/a	n/a	V2E4243
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	0.85	1.0	0.19	ug/l	J
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected

MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

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Client Sample ID: GW-077128-MW5D-083013-JS-001**Lab Sample ID:** JB46270-1**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA**VOA TCL List (SOM0 1.1)**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	0.73	1.0	0.22	ug/l	J
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	0.49	1.0	0.42	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.49	1.0	0.24	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-117%
17060-07-0	1,2-Dichloroethane-D4	93%		72-123%
2037-26-5	Toluene-D8	95%		82-118%
460-00-4	4-Bromofluorobenzene	90%		75-118%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis**Client Sample ID:** GW-077128-FD-083013-JS-002**Lab Sample ID:** JB46270-2**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B BY SIM**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S175276.D	1	09/03/13	VC	n/a	n/a	VS7204
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	110%		36-149%
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460-00-4	4-Bromofluorobenzene	113%		34-135%
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ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	GW-077128-FD-083013-JS-002	Date Sampled:	08/30/13
Lab Sample ID:	JB46270-2	Date Received:	08/31/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E94281.D	1	09/05/13	TYG	n/a	n/a	V2E4243
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	0.91	1.0	0.19	ug/l	J
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-077128-FD-083013-JS-002	Date Sampled:	08/30/13
Lab Sample ID:	JB46270-2	Date Received:	08/31/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	0.75	1.0	0.22	ug/l	J
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	0.52	1.0	0.42	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.52	1.0	0.24	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-117%
17060-07-0	1,2-Dichloroethane-D4	96%		72-123%
2037-26-5	Toluene-D8	95%		82-118%
460-00-4	4-Bromofluorobenzene	91%		75-118%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3**Client Sample ID:** GW-077128-MW5S-083013-JS-003**Lab Sample ID:** JB46270-3**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B BY SIM**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S175277.D	1	09/03/13	VC	n/a	n/a	VS7204
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	119%		36-149%
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460-00-4	4-Bromofluorobenzene	125%		34-135%
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ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

33
3**Client Sample ID:** GW-077128-MW5S-083013-JS-003**Lab Sample ID:** JB46270-3**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E94231.D	1	09/04/13	TYG	n/a	n/a	V2E4240
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	0.33	2.0	0.19	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	1.0	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected

MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3**Client Sample ID:** GW-077128-MW5S-083013-JS-003**Lab Sample ID:** JB46270-3**Date Sampled:** 08/30/13**Matrix:** AQ - Ground Water**Date Received:** 08/31/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA**VOA TCL List (SOM0 1.1)**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	0.42	1.0	0.42	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.42	1.0	0.24	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-117%
17060-07-0	1,2-Dichloroethane-D4	86%		72-123%
2037-26-5	Toluene-D8	94%		82-118%
460-00-4	4-Bromofluorobenzene	89%		75-118%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	08/30/13
Lab Sample ID:	JB46270-4	Date Received:	08/31/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B BY SIM		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S175278.D	1	09/03/13	VC	n/a	n/a	VS7204
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	112%		36-149%
460-00-4	4-Bromofluorobenzene	117%		34-135%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	08/30/13
Lab Sample ID:	JB46270-4	Date Received:	08/31/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E94214.D	1	09/04/13	TYG	n/a	n/a	V2E4240
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	1.1	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	08/30/13
Lab Sample ID:	JB46270-4	Date Received:	08/31/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-117%
17060-07-0	1,2-Dichloroethane-D4	89%		72-123%
2037-26-5	Toluene-D8	97%		82-118%
460-00-4	4-Bromofluorobenzene	87%		75-118%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

*GW
JB*

CHAIN OF CUSTODY

 2235 Route 130, Dayton, NJ 08810
 TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

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FED-EX Tracking #:		Bottle Order Control #:	
79658643 3880		K0-8123/2013-31	
Accutest Quote #:		Accutest Job #:	
		JB46270	
Requested Analysis (see TEST CODE sheet)			
Matrix Codes			
DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Dry Solid WS - Waste FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank			
LAB USE ONLY			

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)											
Company Name	CRA	Project Name	Kema - Power test												
Street Address	410 Eagleview Blvd	Street	4379 County Line Rd												
City	Exton PA	State	PA												
Project Contact	John Garges	E-mail	077128	Billing Information (if different from Report to)											
Phone #	610 321 1800	Fax #		Company Name											
Sample(s) Name(s)	Jeff Schneider	Phone #	John Garges	Client Purchase Order #											
Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles							
1	GW-077128-MWSD-083013-JS-001		8/30/13	1115	JS	GW	18	X			X				
2	GW-077128-FD-083013-JS-002			1125	J	GW	6	X							
3	GW-077128-MWSS-083013-JS-003			1310	↓	GW	4	X							
4	TRIP BLANK		8/30/13	1800	TB	4	X								
Data Deliverable Information															
Comments / Special Instructions															
Turnaround Time (Business days)															
Approved By (Accutest PM) / Date:				<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYAS Category A <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYAS Category B <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Format _____ <input type="checkbox"/> Commercial "C" <input type="checkbox"/> Other _____ Commercial "A" = Results Only Commercial "B" = Results + CC Summary NJ Reduced = Results + CC Summary + Partial Raw data											
Emergency & Rush T/A data available VIA Lablink															
Sample Custody must be documented below each time samples change possession, including courier delivery.															
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:										
1	8/30/13 (1530pm)	Jeff	2	8/31/13 0150	2										
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:										
3		3	4		4										
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact	Preserved where applicable	On Ice	Cooler Temp.								
5		5		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1-6°C								

JB
JB

JB46270: Chain of Custody
Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB46270

Client: _____

Project: _____

Date / Time Received: 8/31/2013

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Initial/Adjusted): #1: (1.6/1.6); 0

Cooler Security **Y or N**

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Documentation**Y or N**

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature **Y or N**

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Sample Integrity - Condition**Y or N**

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recv'd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Quality Control Preservatio **Y or N** **N/A**

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Instructions**Y or N** **N/A**

- | | | |
|---|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Sufficient volume recv'd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> |

Comments

Accutest Laboratories
V:732.329.02002235 US Highway 130
F: 732.329.3499Dayton, New Jersey
www.accutest.com

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JB46270: Chain of Custody**Page 2 of 2**



GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 1

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS7204-MB	S175262.D	1	09/03/13	VC	n/a	n/a	VS7204

The QC reported here applies to the following samples:

Method: SW846 8260B BY SIM

JB46270-1, JB46270-2, JB46270-3, JB46270-4

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	93% 36-149%
460-00-4	4-Bromofluorobenzene	92% 34-135%

5.1.1
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Method Blank Summary

Page 1 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4240-MB	2E94209.D	1	09/04/13	TYG	n/a	n/a	V2E4240

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-3, JB46270-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	

Method Blank Summary

Page 2 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4240-MB	2E94209.D	1	09/04/13	TYG	n/a	n/a	V2E4240

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-3, JB46270-4

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	98%
17060-07-0	1,2-Dichloroethane-D4	91%
2037-26-5	Toluene-D8	94%
460-00-4	4-Bromofluorobenzene	89%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Page 1 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4243-MB	2E94259.D	1	09/05/13	TYG	n/a	n/a	V2E4243

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-1, JB46270-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	

Method Blank Summary

Page 2 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4243-MB	2E94259.D	1	09/05/13	TYG	n/a	n/a	V2E4243

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-1, JB46270-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	100%
17060-07-0	1,2-Dichloroethane-D4	92%
2037-26-5	Toluene-D8	97%
460-00-4	4-Bromofluorobenzene	92%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Page 1 of 1

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VS7204-BS	S175263.D	1	09/03/13	VC	n/a	n/a	VS7204

The QC reported here applies to the following samples:

Method: SW846 8260B BY SIM

JB46270-1, JB46270-2, JB46270-3, JB46270-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	41.4	83	44-138

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	92%	36-149%
460-00-4	4-Bromofluorobenzene	98%	34-135%

* = Outside of Control Limits.

5.2.1
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Blank Spike Summary

Page 1 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4240-BS	2E94210.D	1	09/04/13	TYG	n/a	n/a	V2E4240

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-3, JB46270-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	36.9	74	49-153
71-43-2	Benzene	50	45.1	90	80-119
74-97-5	Bromochloromethane	50	44.1	88	84-123
75-27-4	Bromodichloromethane	50	46.2	92	83-127
75-25-2	Bromoform	50	46.8	94	71-133
74-83-9	Bromomethane	50	64.3	129	62-143
78-93-3	2-Butanone (MEK)	50	41.9	84	64-136
75-15-0	Carbon disulfide	50	40.0	80	71-127
56-23-5	Carbon tetrachloride	50	47.2	94	78-138
108-90-7	Chlorobenzene	50	43.8	88	83-118
75-00-3	Chloroethane	50	53.8	108	67-143
67-66-3	Chloroform	50	43.5	87	81-124
74-87-3	Chloromethane	50	43.6	87	56-146
110-82-7	Cyclohexane	50	40.5	81	69-134
96-12-8	1,2-Dibromo-3-chloropropane	50	36.7	73	63-137
124-48-1	Dibromochloromethane	50	44.7	89	79-125
106-93-4	1,2-Dibromoethane	50	43.8	88	79-122
95-50-1	1,2-Dichlorobenzene	50	44.4	89	81-120
541-73-1	1,3-Dichlorobenzene	50	44.6	89	81-120
106-46-7	1,4-Dichlorobenzene	50	44.3	89	81-117
75-71-8	Dichlorodifluoromethane	50	43.9	88	43-143
75-34-3	1,1-Dichloroethane	50	42.0	84	80-129
107-06-2	1,2-Dichloroethane	50	43.0	86	75-133
75-35-4	1,1-Dichloroethene	50	41.5	83	74-127
156-59-2	cis-1,2-Dichloroethene	50	45.4	91	79-123
156-60-5	trans-1,2-Dichloroethene	50	44.8	90	75-123
78-87-5	1,2-Dichloropropane	50	42.8	86	80-125
10061-01-5	cis-1,3-Dichloropropene	50	42.5	85	76-118
10061-02-6	trans-1,3-Dichloropropene	50	43.4	87	79-123
100-41-4	Ethylbenzene	50	44.6	89	82-119
76-13-1	Freon 113	50	64.4	129	58-140
591-78-6	2-Hexanone	50	38.6	77	60-136
98-82-8	Isopropylbenzene	50	45.1	90	77-127
79-20-9	Methyl Acetate	50	49.0	98	37-156
108-87-2	Methylcyclohexane	50	55.5	111	63-136
1634-04-4	Methyl Tert Butyl Ether	100	94.1	94	75-122

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4240-BS	2E94210.D	1	09/04/13	TYG	n/a	n/a	V2E4240

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-3, JB46270-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	40.6	81	67-133
75-09-2	Methylene chloride	50	41.7	83	74-123
100-42-5	Styrene	50	43.1	86	80-120
79-34-5	1,1,2,2-Tetrachloroethane	50	43.2	86	69-125
127-18-4	Tetrachloroethene	50	47.3	95	73-134
108-88-3	Toluene	50	47.5	95	82-120
87-61-6	1,2,3-Trichlorobenzene	50	46.6	93	63-138
120-82-1	1,2,4-Trichlorobenzene	50	43.6	87	74-136
71-55-6	1,1,1-Trichloroethane	50	47.8	96	80-131
79-00-5	1,1,2-Trichloroethane	50	44.1	88	79-124
79-01-6	Trichloroethene	50	45.5	91	84-126
75-69-4	Trichlorofluoromethane	50	47.3	95	67-145
75-01-4	Vinyl chloride	50	40.8	82	57-132
	m,p-Xylene	100	89.5	90	81-119
95-47-6	o-Xylene	50	44.2	88	82-120
1330-20-7	Xylene (total)	150	134	89	82-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	79-117%
17060-07-0	1,2-Dichloroethane-D4	91%	72-123%
2037-26-5	Toluene-D8	98%	82-118%
460-00-4	4-Bromofluorobenzene	92%	75-118%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4243-BS	2E94260.D	1	09/05/13	TYG	n/a	n/a	V2E4243

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-1, JB46270-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	51.1	102	49-153
71-43-2	Benzene	50	50.4	101	80-119
74-97-5	Bromochloromethane	50	47.5	95	84-123
75-27-4	Bromodichloromethane	50	50.5	101	83-127
75-25-2	Bromoform	50	46.1	92	71-133
74-83-9	Bromomethane	50	78.3	157* a	62-143
78-93-3	2-Butanone (MEK)	50	52.9	106	64-136
75-15-0	Carbon disulfide	50	44.3	89	71-127
56-23-5	Carbon tetrachloride	50	47.8	96	78-138
108-90-7	Chlorobenzene	50	44.9	90	83-118
75-00-3	Chloroethane	50	76.6	153* a	67-143
67-66-3	Chloroform	50	47.1	94	81-124
74-87-3	Chloromethane	50	63.1	126	56-146
110-82-7	Cyclohexane	50	43.2	86	69-134
96-12-8	1,2-Dibromo-3-chloropropane	50	41.9	84	63-137
124-48-1	Dibromochloromethane	50	45.4	91	79-125
106-93-4	1,2-Dibromoethane	50	46.3	93	79-122
95-50-1	1,2-Dichlorobenzene	50	47.0	94	81-120
541-73-1	1,3-Dichlorobenzene	50	47.9	96	81-120
106-46-7	1,4-Dichlorobenzene	50	46.7	93	81-117
75-71-8	Dichlorodifluoromethane	50	52.9	106	43-143
75-34-3	1,1-Dichloroethane	50	48.8	98	80-129
107-06-2	1,2-Dichloroethane	50	46.3	93	75-133
75-35-4	1,1-Dichloroethene	50	48.2	96	74-127
156-59-2	cis-1,2-Dichloroethene	50	50.1	100	79-123
156-60-5	trans-1,2-Dichloroethene	50	48.6	97	75-123
78-87-5	1,2-Dichloropropane	50	48.6	97	80-125
10061-01-5	cis-1,3-Dichloropropene	50	45.3	91	76-118
10061-02-6	trans-1,3-Dichloropropene	50	46.1	92	79-123
100-41-4	Ethylbenzene	50	47.4	95	82-119
76-13-1	Freon 113	50	62.2	124	58-140
591-78-6	2-Hexanone	50	45.9	92	60-136
98-82-8	Isopropylbenzene	50	50.1	100	77-127
79-20-9	Methyl Acetate	50	53.3	107	37-156
108-87-2	Methylcyclohexane	50	50.6	101	63-136
1634-04-4	Methyl Tert Butyl Ether	100	101	101	75-122

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2E4243-BS	2E94260.D	1	09/05/13	TYG	n/a	n/a	V2E4243

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-1, JB46270-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	48.8	98	67-133
75-09-2	Methylene chloride	50	46.8	94	74-123
100-42-5	Styrene	50	44.5	89	80-120
79-34-5	1,1,2,2-Tetrachloroethane	50	48.2	96	69-125
127-18-4	Tetrachloroethene	50	48.2	96	73-134
108-88-3	Toluene	50	50.6	101	82-120
87-61-6	1,2,3-Trichlorobenzene	50	49.0	98	63-138
120-82-1	1,2,4-Trichlorobenzene	50	47.8	96	74-136
71-55-6	1,1,1-Trichloroethane	50	49.7	99	80-131
79-00-5	1,1,2-Trichloroethane	50	49.1	98	79-124
79-01-6	Trichloroethene	50	50.2	100	84-126
75-69-4	Trichlorofluoromethane	50	57.2	114	67-145
75-01-4	Vinyl chloride	50	56.5	113	57-132
	m,p-Xylene	100	93.5	94	81-119
95-47-6	o-Xylene	50	46.9	94	82-120
1330-20-7	Xylene (total)	150	140	93	82-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	79-117%
17060-07-0	1,2-Dichloroethane-D4	94%	72-123%
2037-26-5	Toluene-D8	100%	82-118%
460-00-4	4-Bromofluorobenzene	95%	75-118%

(a) High percent recoveries and no associated positive found in the QC batch.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB46138-1MS ^a	S175265.D	1	09/03/13	VC	n/a	n/a	VS7204
JB46138-1MSD ^a	S175266.D	1	09/03/13	VC	n/a	n/a	VS7204
JB46138-1 ^a	S175264.D	1	09/03/13	VC	n/a	n/a	VS7204

The QC reported here applies to the following samples:

Method: SW846 8260B BY SIM

JB46270-1, JB46270-2, JB46270-3, JB46270-4

CAS No.	Compound	JB46138-1		Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
		ug/l	Q							
123-91-1	1,4-Dioxane	8.8	50	56.1	95	55.1	93	2	18-178/34	

CAS No.	Surrogate Recoveries	MS	MSD	JB46138-1	Limits
2037-26-5	Toluene-D8	112%	110%	93%	36-149%
460-00-4	4-Bromofluorobenzene	116%	117%	99%	34-135%

(a) (pH= 7) Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB46123-5MS	2E94221.D	1	09/04/13	TYG	n/a	n/a	V2E4240
JB46123-5MSD	2E94222.D	1	09/04/13	TYG	n/a	n/a	V2E4240
JB46123-5	2E94216.D	1	09/04/13	TYG	n/a	n/a	V2E4240

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-3, JB46270-4

CAS No.	Compound	JB46123-5 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	50	47.8	96	48.5	97	1	45-157/19
71-43-2	Benzene	ND	50	50.4	101	47.9	96	5	49-138/12
74-97-5	Bromochloromethane	ND	50	52.0	104	50.4	101	3	75-130/12
75-27-4	Bromodichloromethane	ND	50	52.7	105	50.5	101	4	73-132/13
75-25-2	Bromoform	ND	50	53.2	106	51.6	103	3	61-138/13
74-83-9	Bromomethane	ND	50	72.6	145	69.6	139	4	49-146/18
78-93-3	2-Butanone (MEK)	ND	50	53.3	107	50.6	101	5	58-144/14
75-15-0	Carbon disulfide	ND	50	46.9	94	39.5	79	17	47-140/18
56-23-5	Carbon tetrachloride	ND	50	48.1	96	43.6	87	10	57-147/16
108-90-7	Chlorobenzene	ND	50	48.9	98	46.4	93	5	69-129/12
75-00-3	Chloroethane	ND	50	63.4	127	56.3	113	12	52-145/17
67-66-3	Chloroform	ND	50	48.2	96	44.8	90	7	68-131/13
74-87-3	Chloromethane	ND	50	40.3	81	45.1	90	11	43-145/17
110-82-7	Cyclohexane	ND	50	45.1	90	40.0	80	12	39-152/18
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	42.4	85	43.1	86	2	58-143/14
124-48-1	Dibromochloromethane	ND	50	52.0	104	50.1	100	4	71-131/12
106-93-4	1,2-Dibromoethane	ND	50	53.7	107	50.8	102	6	72-130/12
95-50-1	1,2-Dichlorobenzene	ND	50	49.7	99	49.2	98	1	71-128/12
541-73-1	1,3-Dichlorobenzene	ND	50	49.6	99	48.2	96	3	70-128/13
106-46-7	1,4-Dichlorobenzene	ND	50	49.6	99	47.6	95	4	70-126/12
75-71-8	Dichlorodifluoromethane	ND	50	42.2	84	38.3	77	10	35-161/21
75-34-3	1,1-Dichloroethane	ND	50	47.4	95	43.7	87	8	64-136/14
107-06-2	1,2-Dichloroethane	ND	50	46.9	94	45.9	92	2	69-138/12
75-35-4	1,1-Dichloroethene	ND	50	49.2	98	42.7	85	14	50-141/17
156-59-2	cis-1,2-Dichloroethene	ND	50	51.8	104	48.3	97	7	60-135/13
156-60-5	trans-1,2-Dichloroethene	ND	50	49.5	99	45.0	90	10	58-134/15
78-87-5	1,2-Dichloropropane	ND	50	49.3	99	47.8	96	3	69-132/12
10061-01-5	cis-1,3-Dichloropropene	ND	50	49.8	100	46.6	93	7	73-129/13
10061-02-6	trans-1,3-Dichloropropene	ND	50	52.9	106	48.6	97	8	72-129/13
100-41-4	Ethylbenzene	ND	50	48.2	96	45.3	91	6	48-139/13
76-13-1	Freon 113	ND	50	47.4	95	42.5	85	11	43-153/20
591-78-6	2-Hexanone	ND	50	50.6	101	48.3	97	5	55-146/15
98-82-8	Isopropylbenzene	ND	50	46.9	94	45.9	92	2	61-138/14
79-20-9	Methyl Acetate	ND	50	43.4	87	42.5	85	2	43-158/14
108-87-2	Methylcyclohexane	ND	50	43.5	87	39.5	79	10	42-153/18
1634-04-4	Methyl Tert Butyl Ether	ND	50	49.4	99	47.2	94	5	63-134/12

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB46123-5MS	2E94221.D	1	09/04/13	TYG	n/a	n/a	V2E4240
JB46123-5MSD	2E94222.D	1	09/04/13	TYG	n/a	n/a	V2E4240
JB46123-5	2E94216.D	1	09/04/13	TYG	n/a	n/a	V2E4240

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-3, JB46270-4

CAS No.	Compound	JB46123-5		Spike	MS	MS	MSD	MSD	RPD	Limits Rec/RPD
		ug/l	Q	ug/l	ug/l	%	ug/l	%		
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	49.7	99	49.3	99	1	62-144/13
75-09-2	Methylene chloride	ND		50	51.0	102	46.5	93	9	64-131/13
100-42-5	Styrene	ND		50	48.8	98	46.3	93	5	62-133/13
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	51.4	103	51.8	104	1	65-134/12
127-18-4	Tetrachloroethene	ND		50	49.8	100	46.6	93	7	53-144/15
108-88-3	Toluene	ND		50	53.2	106	49.5	99	7	54-138/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	52.9	106	53.4	107	1	55-142/15
120-82-1	1,2,4-Trichlorobenzene	ND		50	49.1	98	48.6	97	1	64-138/14
71-55-6	1,1,1-Trichloroethane	ND		50	50.0	100	44.8	90	11	60-143/15
79-00-5	1,1,2-Trichloroethane	ND		50	54.2	108	51.8	104	5	71-130/12
79-01-6	Trichloroethene	ND		50	50.1	100	46.1	92	8	59-140/14
75-69-4	Trichlorofluoromethane	ND		50	52.2	104	45.8	92	13	50-158/20
75-01-4	Vinyl chloride	ND		50	46.6	93	41.9	84	11	41-151/18
	m,p-Xylene	ND		100	96.3	96	91.0	91	6	49-138/13
95-47-6	o-Xylene	ND		50	47.9	96	46.2	92	4	59-134/12
1330-20-7	Xylene (total)	ND		150	144	96	137	91	5	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB46123-5	Limits
1868-53-7	Dibromofluoromethane	96%	94%	101%	79-117%
17060-07-0	1,2-Dichloroethane-D4	86%	84%	92%	72-123%
2037-26-5	Toluene-D8	99%	98%	95%	82-118%
460-00-4	4-Bromofluorobenzene	92%	91%	87%	75-118%

* = Outside of Control Limits.

5.3.2
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Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB46108-6MS	2E94269.D	1	09/05/13	TYG	n/a	n/a	V2E4243
JB46108-6MSD	2E94270.D	1	09/05/13	TYG	n/a	n/a	V2E4243
JB46108-6	2E94262.D	1	09/05/13	TYG	n/a	n/a	V2E4243

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-1, JB46270-2

CAS No.	Compound	JB46108-6 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	50	54.8	110	57.6	115	5	45-157/19
71-43-2	Benzene	ND	50	57.1	114	52.5	105	8	49-138/12
74-97-5	Bromochloromethane	ND	50	57.8	116	56.7	113	2	75-130/12
75-27-4	Bromodichloromethane	ND	50	58.6	117	56.0	112	5	73-132/13
75-25-2	Bromoform	ND	50	54.3	109	53.4	107	2	61-138/13
74-83-9	Bromomethane	ND	50	72.4	145	65.0	130	11	49-146/18
78-93-3	2-Butanone (MEK)	ND	50	58.4	117	59.9	120	3	58-144/14
75-15-0	Carbon disulfide	ND	50	51.0	102	46.4	93	9	47-140/18
56-23-5	Carbon tetrachloride	ND	50	51.4	103	45.2	90	13	57-147/16
108-90-7	Chlorobenzene	ND	50	53.1	106	50.0	100	6	69-129/12
75-00-3	Chloroethane	ND	50	61.0	122	54.6	109	11	52-145/17
67-66-3	Chloroform	ND	50	54.6	109	51.3	103	6	68-131/13
74-87-3	Chloromethane	ND	50	48.1	96	44.2	88	8	43-145/17
110-82-7	Cyclohexane	ND	50	49.4	99	43.0	86	14	39-152/18
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	49.3	99	49.7	99	1	58-143/14
124-48-1	Dibromochloromethane	ND	50	55.5	111	53.8	108	3	71-131/12
106-93-4	1,2-Dibromoethane	ND	50	56.5	113	56.8	114	1	72-130/12
95-50-1	1,2-Dichlorobenzene	ND	50	56.8	114	52.7	105	7	71-128/12
541-73-1	1,3-Dichlorobenzene	ND	50	55.9	112	52.1	104	7	70-128/13
106-46-7	1,4-Dichlorobenzene	ND	50	55.3	111	51.5	103	7	70-126/12
75-71-8	Dichlorodifluoromethane	ND	50	38.7	77	33.8	68	14	35-161/21
75-34-3	1,1-Dichloroethane	ND	50	55.1	110	50.9	102	8	64-136/14
107-06-2	1,2-Dichloroethane	ND	50	54.9	110	53.4	107	3	69-138/12
75-35-4	1,1-Dichloroethene	ND	50	52.9	106	47.2	94	11	50-141/17
156-59-2	cis-1,2-Dichloroethene	ND	50	58.4	117	55.0	110	6	60-135/13
156-60-5	trans-1,2-Dichloroethene	ND	50	55.8	112	50.1	100	11	58-134/15
78-87-5	1,2-Dichloropropane	ND	50	56.8	114	53.4	107	6	69-132/12
10061-01-5	cis-1,3-Dichloropropene	ND	50	53.7	107	53.2	106	1	73-129/13
10061-02-6	trans-1,3-Dichloropropene	ND	50	54.4	109	55.4	111	2	72-129/13
100-41-4	Ethylbenzene	ND	50	54.3	109	48.9	98	10	48-139/13
76-13-1	Freon 113	ND	50	53.6	107	46.1	92	15	43-153/20
591-78-6	2-Hexanone	ND	50	53.1	106	56.1	112	5	55-146/15
98-82-8	Isopropylbenzene	3.2	50	58.6	111	49.7	93	16* a	61-138/14
79-20-9	Methyl Acetate	ND	50	53.0	106	53.8	108	1	43-158/14
108-87-2	Methylcyclohexane	ND	50	46.8	94	40.7	81	14	42-153/18
1634-04-4	Methyl Tert Butyl Ether	ND	50	56.3	113	55.9	112	1	63-134/12

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB46108-6MS	2E94269.D	1	09/05/13	TYG	n/a	n/a	V2E4243
JB46108-6MSD	2E94270.D	1	09/05/13	TYG	n/a	n/a	V2E4243
JB46108-6	2E94262.D	1	09/05/13	TYG	n/a	n/a	V2E4243

The QC reported here applies to the following samples:

Method: SW846 8260B

JB46270-1, JB46270-2

CAS No.	Compound	JB46108-6		Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
		ug/l	Q							
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	56.0	112	56.2	112	0	62-144/13	
75-09-2	Methylene chloride	ND	50	56.5	113	55.7	111	1	64-131/13	
100-42-5	Styrene	ND	50	53.6	107	50.7	101	6	62-133/13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	59.4	119	56.7	113	5	65-134/12	
127-18-4	Tetrachloroethene	ND	50	53.8	108	47.0	94	13	53-144/15	
108-88-3	Toluene	ND	50	57.3	115	52.7	105	8	54-138/13	
87-61-6	1,2,3-Trichlorobenzene	ND	50	58.9	118	57.5	115	2	55-142/15	
120-82-1	1,2,4-Trichlorobenzene	ND	50	55.9	112	53.2	106	5	64-138/14	
71-55-6	1,1,1-Trichloroethane	ND	50	55.1	110	48.8	98	12	60-143/15	
79-00-5	1,1,2-Trichloroethane	ND	50	57.9	116	57.5	115	1	71-130/12	
79-01-6	Trichloroethene	ND	50	55.0	110	49.2	98	11	59-140/14	
75-69-4	Trichlorofluoromethane	ND	50	48.5	97	42.3	85	14	50-158/20	
75-01-4	Vinyl chloride	ND	50	44.6	89	39.7	79	12	41-151/18	
	m,p-Xylene	ND	100	108	108	97.5	98	10	49-138/13	
95-47-6	o-Xylene	ND	50	54.7	109	49.9	100	9	59-134/12	
1330-20-7	Xylene (total)	ND	150	163	109	147	98	10	53-136/12	

CAS No.	Surrogate Recoveries	MS	MSD	JB46108-6	Limits
1868-53-7	Dibromofluoromethane	98%	98%	102%	79-117%
17060-07-0	1,2-Dichloroethane-D4	91%	91%	93%	72-123%
2037-26-5	Toluene-D8	98%	99%	97%	82-118%
460-00-4	4-Bromofluorobenzene	94%	93%	91%	75-118%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

5.3.3
5

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample: V2E4202-BFB
Lab File ID: 2E93426.D
Instrument ID: GCMS2E

Injection Date: 08/14/13
Injection Time: 09:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	8966	17.1	Pass
75	30.0 - 60.0% of mass 95	24208	46.1	Pass
95	Base peak, 100% relative abundance	52504	100.0	Pass
96	5.0 - 9.0% of mass 95	3502	6.67	Pass
173	Less than 2.0% of mass 174	217	0.41	(0.55) ^a Pass
174	50.0 - 120.0% of mass 95	39429	75.1	Pass
175	5.0 - 9.0% of mass 174	3044	5.80	(7.72) ^a Pass
176	95.0 - 101.0% of mass 174	38008	72.4	(96.4) ^a Pass
177	5.0 - 9.0% of mass 176	2677	5.10	(7.04) ^b Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2E4202-IC4202	2E93428.D	08/14/13	10:47	00:59	Initial cal 1
V2E4202-IC4202	2E93429.D	08/14/13	11:16	01:28	Initial cal 2
V2E4202-IC4202	2E93430.D	08/14/13	11:45	01:57	Initial cal 5
V2E4202-IC4202	2E93431.D	08/14/13	12:14	02:26	Initial cal 10
V2E4202-IC4202	2E93432.D	08/14/13	12:43	02:55	Initial cal 20
V2E4202-ICC4202	2E93433.D	08/14/13	13:12	03:24	Initial cal 50
V2E4202-IC4202	2E93434.D	08/14/13	13:41	03:53	Initial cal 100
V2E4202-IC4202	2E93435.D	08/14/13	14:10	04:22	Initial cal 200
V2E4202-IC4202	2E93438.D	08/14/13	15:37	05:49	Initial cal 0.5
V2E4202-IC4202	2E93439.D	08/14/13	16:06	06:18	Initial cal 75
V2E4202-ICV4202	2E93440.D	08/14/13	16:47	06:59	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample: V2E4240-BFB
Lab File ID: 2E94207.D
Instrument ID: GCMS2E

Injection Date: 09/04/13
Injection Time: 09:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	12533	16.6	Pass
75	30.0 - 60.0% of mass 95	34813	46.1	Pass
95	Base peak, 100% relative abundance	75539	100.0	Pass
96	5.0 - 9.0% of mass 95	4973	6.58	Pass
173	Less than 2.0% of mass 174	497	0.66	(0.75) ^a Pass
174	50.0 - 120.0% of mass 95	66275	87.7	Pass
175	5.0 - 9.0% of mass 174	5119	6.78	(7.72) ^a Pass
176	95.0 - 101.0% of mass 174	63904	84.6	(96.4) ^a Pass
177	5.0 - 9.0% of mass 176	4336	5.74	(6.79) ^b Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2E4240-CC4202	2E94208.D	09/04/13	10:03	00:29	Continuing cal 20
V2E4240-MB	2E94209.D	09/04/13	10:34	01:00	Method Blank
V2E4240-BS	2E94210.D	09/04/13	11:09	01:35	Blank Spike
ZZZZZZ	2E94211.D	09/04/13	11:47	02:13	(unrelated sample)
ZZZZZZ	2E94212.D	09/04/13	12:16	02:42	(unrelated sample)
ZZZZZZ	2E94213.D	09/04/13	12:45	03:11	(unrelated sample)
JB46270-4	2E94214.D	09/04/13	13:14	03:40	TRIP BLANK
ZZZZZZ	2E94215.D	09/04/13	13:43	04:09	(unrelated sample)
JB46123-5	2E94216.D	09/04/13	14:12	04:38	(used for QC only; not part of job JB46270)
ZZZZZZ	2E94217.D	09/04/13	14:41	05:07	(unrelated sample)
ZZZZZZ	2E94218.D	09/04/13	15:10	05:36	(unrelated sample)
ZZZZZZ	2E94219.D	09/04/13	15:39	06:05	(unrelated sample)
ZZZZZZ	2E94220.D	09/04/13	16:08	06:34	(unrelated sample)
JB46123-5MS	2E94221.D	09/04/13	16:37	07:03	Matrix Spike
JB46123-5MSD	2E94222.D	09/04/13	17:06	07:32	Matrix Spike Duplicate
ZZZZZZ	2E94223.D	09/04/13	17:35	08:01	(unrelated sample)
ZZZZZZ	2E94224.D	09/04/13	18:04	08:30	(unrelated sample)
ZZZZZZ	2E94225.D	09/04/13	18:33	08:59	(unrelated sample)
ZZZZZZ	2E94226.D	09/04/13	19:02	09:28	(unrelated sample)
ZZZZZZ	2E94227.D	09/04/13	19:31	09:57	(unrelated sample)
ZZZZZZ	2E94228.D	09/04/13	20:00	10:26	(unrelated sample)
ZZZZZZ	2E94229.D	09/04/13	20:29	10:55	(unrelated sample)
ZZZZZZ	2E94230.D	09/04/13	20:58	11:24	(unrelated sample)
JB46270-3	2E94231.D	09/04/13	21:27	11:53	GW-077128-MW5S-083013-JS-003

Instrument Performance Check (BFB)

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Sample:	V2E4243-BFB	Injection Date:	09/05/13
Lab File ID:	2E94257.D	Injection Time:	10:39
Instrument ID:	GCMS2E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	12353	16.8	Pass
75	30.0 - 60.0% of mass 95	33181	45.1	Pass
95	Base peak, 100% relative abundance	73629	100.0	Pass
96	5.0 - 9.0% of mass 95	5009	6.80	Pass
173	Less than 2.0% of mass 174	209	0.28	(0.33) ^a Pass
174	50.0 - 120.0% of mass 95	63328	86.0	Pass
175	5.0 - 9.0% of mass 174	4747	6.45	(7.50) ^a Pass
176	95.0 - 101.0% of mass 174	61600	83.7	(97.3) ^a Pass
177	5.0 - 9.0% of mass 176	3901	5.30	(6.33) ^b Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2E4243-CC4202	2E94258.D	09/05/13	11:08	00:29	Continuing cal 20
V2E4243-MB	2E94259.D	09/05/13	11:42	01:03	Method Blank
V2E4243-BS	2E94260.D	09/05/13	12:11	01:32	Blank Spike
ZZZZZZ	2E94261.D	09/05/13	12:40	02:01	(unrelated sample)
JB46108-6	2E94262.D	09/05/13	13:09	02:30	(used for QC only; not part of job JB46270)
ZZZZZZ	2E94263.D	09/05/13	13:38	02:59	(unrelated sample)
ZZZZZZ	2E94264.D	09/05/13	14:07	03:28	(unrelated sample)
ZZZZZZ	2E94265.D	09/05/13	14:36	03:57	(unrelated sample)
ZZZZZZ	2E94266.D	09/05/13	15:05	04:26	(unrelated sample)
ZZZZZZ	2E94267.D	09/05/13	15:34	04:55	(unrelated sample)
ZZZZZZ	2E94268.D	09/05/13	16:03	05:24	(unrelated sample)
JB46108-6MS	2E94269.D	09/05/13	16:32	05:53	Matrix Spike
JB46108-6MSD	2E94270.D	09/05/13	17:03	06:24	Matrix Spike Duplicate
ZZZZZZ	2E94271.D	09/05/13	17:32	06:53	(unrelated sample)
ZZZZZZ	2E94272.D	09/05/13	18:01	07:22	(unrelated sample)
ZZZZZZ	2E94273.D	09/05/13	18:30	07:51	(unrelated sample)
ZZZZZZ	2E94274.D	09/05/13	18:59	08:20	(unrelated sample)
ZZZZZZ	2E94275.D	09/05/13	19:28	08:49	(unrelated sample)
ZZZZZZ	2E94276.D	09/05/13	19:57	09:18	(unrelated sample)
ZZZZZZ	2E94277.D	09/05/13	20:26	09:47	(unrelated sample)
ZZZZZZ	2E94278.D	09/05/13	20:55	10:16	(unrelated sample)
ZZZZZZ	2E94279.D	09/05/13	21:24	10:45	(unrelated sample)
JB46270-1	2E94280.D	09/05/13	21:53	11:14	GW-077128-MW5D-083013-JS-001
JB46270-2	2E94281.D	09/05/13	22:22	11:43	GW-077128-FD-083013-JS-002

Volatile Surrogate Recovery Summary

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Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Method: SW846 8260B BY SIM

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
JB46270-1	S175275.D	104.0	117.0
JB46270-2	S175276.D	110.0	113.0
JB46270-3	S175277.D	119.0	125.0
JB46270-4	S175278.D	112.0	117.0
JB46138-1MS	S175265.D	112.0	116.0
JB46138-1MSD	S175266.D	110.0	117.0
VS7204-BS	S175263.D	92.0	98.0
VS7204-MB	S175262.D	93.0	92.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = Toluene-D8

36-149%

S2 = 4-Bromofluorobenzene

34-135%

5.5.1
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Volatile Surrogate Recovery Summary

Job Number: JB46270

Account: CRANYNF Conestoga-Rovers & Associates

Project: KEMA Powertest inc. Chalfonte, PA

Method: SW846 8260B**Matrix:** AQ**Samples and QC shown here apply to the above method**

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB46270-1	2E94280.D	100.0	93.0	95.0	90.0
JB46270-2	2E94281.D	101.0	96.0	95.0	91.0
JB46270-3	2E94231.D	96.0	86.0	94.0	89.0
JB46270-4	2E94214.D	98.0	89.0	97.0	87.0
JB46108-6MS	2E94269.D	98.0	91.0	98.0	94.0
JB46108-6MSD	2E94270.D	98.0	91.0	99.0	93.0
JB46123-5MS	2E94221.D	96.0	86.0	99.0	92.0
JB46123-5MSD	2E94222.D	94.0	84.0	98.0	91.0
V2E4240-BS	2E94210.D	98.0	91.0	98.0	92.0
V2E4240-MB	2E94209.D	98.0	91.0	94.0	89.0
V2E4243-BS	2E94260.D	99.0	94.0	100.0	95.0
V2E4243-MB	2E94259.D	100.0	92.0	97.0	92.0

**Surrogate
Compounds****Recovery
Limits**

S1 = Dibromofluoromethane

79-117%

S2 = 1,2-Dichloroethane-D4

72-123%

S3 = Toluene-D8

82-118%

S4 = 4-Bromofluorobenzene

75-118%



07/23/13

Technical Report for

Conestoga-Rovers & Associates

KEMA Powertest inc. Chalfonte, PA

077128-002

Accutest Job Number: JB42439

Sampling Date: 07/16/13

Report to:

Conestoga-Rovers & Associates

pmcmahon@craworld.com
jgarges@craworld.com
ATTN: Paul McMahon

Total number of pages in report: **20**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Nancy T. Cole".

Nancy Cole
Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Conestoga-Rovers & Associates

Job No: JB42439

KEMA Powertest inc. Chalfonte,PA
Project No: 077128-002

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB42439-1	07/16/13	12:20 WD	07/17/13	AQ	Ground Water	WA-77128-071613-WD-001
JB42439-1D	07/16/13	12:20 WD	07/17/13	AQ	Water Dup/MSD	WA-77128-071613-WD-001 MS DUP
JB42439-1S	07/16/13	12:20 WD	07/17/13	AQ	Water Matrix Spike	WA-77128-071613-WD-001 MS
JB42439-2	07/16/13	14:20 WD	07/17/13	AQ	Ground Water	WA-77128-071613-WD-002
JB42439-3	07/16/13	14:20 WD	07/17/13	AQ	Ground Water	WA-77128-071613-WD-002 DUP
JB42439-4	07/16/13	14:20 WD	07/17/13	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: JB42439
Account: Conestoga-Rovers & Associates
Project: KEMA Powertest inc. Chalfonte, PA
Collected: 07/16/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JB42439-1 WA-77128-071613-WD-001

1,1-Dichloroethene	0.74 J	1.0	0.19	ug/l	SW846 8260B
Toluene	1.0	1.0	0.23	ug/l	SW846 8260B
Trichloroethene	0.60 J	1.0	0.22	ug/l	SW846 8260B

JB42439-2 WA-77128-071613-WD-002

1,1-Dichloroethene	1.0	1.0	0.19	ug/l	SW846 8260B
Toluene	0.53 J	1.0	0.23	ug/l	SW846 8260B
1,4-Dioxane	2.5	2.0	0.86	ug/l	SW846 8260B BY SIM

JB42439-3 WA-77128-071613-WD-002 DUP

1,1-Dichloroethene	1.0	1.0	0.19	ug/l	SW846 8260B
Toluene	0.62 J	1.0	0.23	ug/l	SW846 8260B
1,4-Dioxane	2.5	2.0	0.86	ug/l	SW846 8260B BY SIM

JB42439-4 TRIP BLANK

No hits reported in this sample.



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: WA-77128-071613-WD-001**Lab Sample ID:** JB42439-1**Date Sampled:** 07/16/13**Matrix:** AQ - Ground Water**Date Received:** 07/17/13**Method:** SW846 8260B BY SIM**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S174179.D	1	07/22/13	VC	n/a	n/a	VS7141
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	137%		36-149%
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460-00-4	4-Bromofluorobenzene	135%		34-135%
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ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

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Client Sample ID: WA-77128-071613-WD-001**Lab Sample ID:** JB42439-1**Date Sampled:** 07/16/13**Matrix:** AQ - Ground Water**Date Received:** 07/17/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A137151.D	1	07/22/13	DP	n/a	n/a	V2A5862
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	0.74	1.0	0.19	ug/l	J
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected

MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

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Client Sample ID: WA-77128-071613-WD-001**Lab Sample ID:** JB42439-1**Date Sampled:** 07/16/13**Matrix:** AQ - Ground Water**Date Received:** 07/17/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA**VOA TCL List (SOM0 1.1)**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	1.0	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	0.60	1.0	0.22	ug/l	J
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-119%
17060-07-0	1,2-Dichloroethane-D4	102%		74-122%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		76-116%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis**Client Sample ID:** WA-77128-071613-WD-002**Lab Sample ID:** JB42439-2**Date Sampled:** 07/16/13**Matrix:** AQ - Ground Water**Date Received:** 07/17/13**Method:** SW846 8260B BY SIM**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S174182.D	1	07/22/13	VC	n/a	n/a	VS7141
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	2.5	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	88%		36-149%
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460-00-4	4-Bromofluorobenzene	90%		34-135%
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ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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3**Client Sample ID:** WA-77128-071613-WD-002**Lab Sample ID:** JB42439-2**Date Sampled:** 07/16/13**Matrix:** AQ - Ground Water**Date Received:** 07/17/13**Method:** SW846 8260B**Percent Solids:** n/a**Project:** KEMA Powertest inc. Chalfonte,PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A137152.D	1	07/22/13	DP	n/a	n/a	V2A5862
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	1.0	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	WA-77128-071613-WD-002	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-2	Date Received:	07/17/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	0.53	1.0	0.23	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-119%
17060-07-0	1,2-Dichloroethane-D4	104%		74-122%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		76-116%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WA-77128-071613-WD-002 DUP	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-3	Date Received:	07/17/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B BY SIM		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S174183.D	1	07/22/13	VC	n/a	n/a	VS7141
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	2.5	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	96%		36-149%
460-00-4	4-Bromofluorobenzene	96%		34-135%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	WA-77128-071613-WD-002 DUP	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-3	Date Received:	07/17/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A137153.D	1	07/22/13	DP	n/a	n/a	V2A5862
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	1.0	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	WA-77128-071613-WD-002 DUP	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-3	Date Received:	07/17/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	0.62	1.0	0.23	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-119%
17060-07-0	1,2-Dichloroethane-D4	103%		74-122%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		76-116%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-4	Date Received:	07/17/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B BY SIM		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S174184.D	1	07/22/13	VC	n/a	n/a	
Run #2							VS7141

Purge Volume	
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
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123-91-1	1,4-Dioxane	ND	2.0	0.86	ug/l	
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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2037-26-5	Toluene-D8	98%		36-149%
460-00-4	4-Bromofluorobenzene	100%		34-135%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-4	Date Received:	07/17/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A137150.D	1	07/22/13	DP	n/a	n/a	V2A5862
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	07/16/13
Lab Sample ID:	JB42439-4	Date Received:	07/17/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	KEMA Powertest inc. Chalfonte,PA		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-119%
17060-07-0	1,2-Dichloroethane-D4	103%		74-122%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	101%		76-116%

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3480
www.accutest.com

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)		Matrix Codes						
Company Name CRA Inc.	Project Name A BB /kema / chalfont	Street Address 410 Eagleview Blvd	Street City Exton PA 19391	Billing Information (if different from Report to) Company Name		DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank						
Project Contact John Garges jgarges@craworld.com	E-mail 77128	Project # 610 321-1800	Fax # 610 203 4308	Client Purchase Order #	Street Address City State Zip							
Sample(s) Name(s) William Daniels	Phone # 610 203 4308	Project Manager John Garges		Attention: (One week turnaround)								
Accutest Sample #	Field ID / Point of Collection	MECH/DI Vial #	Collection		Number of preserved Bottles	LAB USE ONLY						
			Date 7/16/13	Time 12:20			Sampled by WD WA	# of bottles 3x	NaOH <input checked="" type="checkbox"/>	HNO3 <input type="checkbox"/>	H2SO4 <input type="checkbox"/>	NONE <input type="checkbox"/>
1	WA-77128-071613-WD-001											
1	WA-77128-071613-WD-001 MS											
1	WA-77128-071613-WD-001 MS Dup											
2	WA-77128-071613-WD-002											
3	WA-77128-071613-WD-002 Dup											
4	Trip Blank (Accutest)											
	Temperature Blank (Accutest)											
Turnaround Time (Business days)			Data Deliverable Information				Comments / Special Instructions					
			<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" <small>Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw Data</small>				<input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> Other _____					
							<small>(One week turnaround)</small> <small>Re-cut at Exton Service Center</small>					
<input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> other _____ <small>Emergency & Rush T/A data available VIA Lablink</small>												
Sample Custody must be documented below each line of samples' change possession, including courier delivery.												
1	Relinquished by Sampler John Garges	Date Time: 7/17/13 9:00	Received By: 1	Relinquished By 2	Date Time: 7/17/13 10:00	Received By: 2	Preserved where applicable <input type="checkbox"/>	Office 5C B				
3	Relinquished by Sampler John Garges	Date Time: 7/17/13 10:05	Received By: 3	Relinquished By 4	Date Time: 7/17/13 10:30	Received By: 4						
5	Relinquished by: John Garges	Date Time: 7/17/13 10:05	Received By: 5	Custody Seal # -			Intact <input type="checkbox"/>	Office 5C B				

1B

JB42439: Chain of Custody
Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB42439 **Client:** _____ **Project:** _____
Date / Time Received: 7/17/2013 **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Initial/Adjusted): #1: (5/5); 0

Cooler Security	Y or N	Y or N	
1. Custody Seals Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/> <input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

Cooler Temperature	Y or N
1. Temp criteria achieved:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Cooler temp verification:	Bar Therm
3. Cooler media:	Ice (Bag)
4. No. Coolers:	1

Quality Control Preservatio	Y or N	N/A
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/> <input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Comments

Sample Integrity - Documentation		Y or N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Integrity - Condition		Y or N
1. Sample recv'd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>	
Sample Integrity - Instructions		Y or N
1. Analysis requested is clear:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Bottles received for unspecified tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sufficient volume recv'd for analysis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Compositing instructions clear:	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JB42439: Chain of Custody
Page 2 of 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-22410-1

Client Project/Site: 077128 KEMA-Powertest

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Mr. Paul McMahon



Authorized for release by:

6/28/2013 3:46:08 PM

Jill Colussy, Project Manager I

jill.colussy@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Job ID: 180-22410-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 077128 KEMA-Powertest

Report Number: 180-22410-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 6/21/2013 7:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.6° C and 2.8° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

The method blanks had methylene chloride detected at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)

Due to the concentration of target compounds detected, sample SO-77128-061913-WD-011 (180-22410-12)[2X] was analyzed at a dilution. The reporting limits have been adjusted accordingly.

PERCENT SOLIDS

No difficulties were encountered during the % solids analysis.

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	05-23-16 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pittsburgh

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.

Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-22410-1	SO-77128-061913-WD-001	Solid	06/19/13 11:00	06/21/13 07:45
180-22410-2	SO-77128-061913-WD-002	Solid	06/19/13 11:30	06/21/13 07:45
180-22410-3	SO-77128-061913-WD-003	Solid	06/19/13 12:00	06/21/13 07:45
180-22410-4	SO-77128-061913-WD-004	Solid	06/19/13 12:35	06/21/13 07:45
180-22410-5	SO-77128-061913-WD-005	Solid	06/19/13 13:30	06/21/13 07:45
180-22410-6	SO-77128-061913-WD-006	Solid	06/19/13 13:55	06/21/13 07:45
180-22410-7	SO-77128-061913-WD-007	Solid	06/19/13 14:22	06/21/13 07:45
180-22410-8	SO-77128-061913-WD-008	Solid	06/19/13 14:57	06/21/13 07:45
180-22410-9	SO-77128-061913-WD-009	Solid	06/19/13 15:40	06/21/13 07:45
180-22410-10	SO-77128-061913-WD-010	Solid	06/19/13 16:15	06/21/13 07:45
180-22410-11	SO-77128-061913-WD-010-DUP	Solid	06/19/13 16:15	06/21/13 07:45
180-22410-12	SO-77128-061913-WD-011	Solid	06/19/13 16:52	06/21/13 07:45
180-22410-13	SO-77128-061913-WD-012	Solid	06/19/13 17:20	06/21/13 07:45
180-22410-14	SO-77128-062013-WD-013	Solid	06/20/13 08:52	06/21/13 07:45
180-22410-15	SO-77128-062013-WD-014	Solid	06/20/13 08:56	06/21/13 07:45
180-22410-16	SO-77128-062013-WD-015	Solid	06/20/13 09:37	06/21/13 07:45
180-22410-17	SO-77128-062013-WD-016	Solid	06/20/13 09:42	06/21/13 07:45
180-22410-18	SO-77128-062013-WD-017	Solid	06/20/13 10:25	06/21/13 07:45
180-22410-19	SO-77128-062013-WD-018	Solid	06/20/13 11:30	06/21/13 07:45
180-22410-20	SO-77128-062013-WD-019	Solid	06/20/13 12:10	06/21/13 07:45
180-22410-21	SO-77128-062013-WD-020	Solid	06/20/13 12:45	06/21/13 07:45
180-22410-22	SO-77128-062013-WD-021	Solid	06/20/13 13:20	06/21/13 07:45
180-22410-23	W-77128-062013-WD-TB1	Water	06/20/13 13:20	06/21/13 07:45
180-22410-24	W-77128-062013-WD-TB2	Water	06/20/13 13:20	06/21/13 07:45

TestAmerica Pittsburgh

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-001

Lab Sample ID: 180-22410-1

Date Collected: 06/19/13 11:00

Matrix: Solid

Date Received: 06/21/13 07:45

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2457 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 14:02	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75695	06/24/13 21:00	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75490	06/21/13 14:19	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-002

Lab Sample ID: 180-22410-2

Date Collected: 06/19/13 11:30

Matrix: Solid

Date Received: 06/21/13 07:45

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.1001 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 14:25	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75695	06/24/13 21:29	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75490	06/21/13 14:19	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-003

Lab Sample ID: 180-22410-3

Matrix: Solid

Date Received: 06/21/13 07:45

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.9423 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 14:47	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.1 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 12:40	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75490	06/21/13 14:19	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-004

Lab Sample ID: 180-22410-4

Matrix: Solid

Date Received: 06/21/13 07:45

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.471 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-004

Date Collected: 06/19/13 12:35
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-4
Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75588	06/24/13 15:09	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 13:08	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75490	06/21/13 14:19	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-005

Date Collected: 06/19/13 13:30
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-5
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3083 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 15:32	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 13:36	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-006

Date Collected: 06/19/13 13:55
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-6
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9104 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 15:55	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 14:04	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-007

Date Collected: 06/19/13 14:22
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-7
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0827 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-007

Date Collected: 06/19/13 14:22
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-7

Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75588	06/24/13 16:17	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.1 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 14:33	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-008

Date Collected: 06/19/13 14:57
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-8

Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2117 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 16:40	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.1 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 15:01	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-009

Date Collected: 06/19/13 15:40
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-9

Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.644 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 17:02	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 15:29	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-010

Date Collected: 06/19/13 16:15
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-10

Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7483 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-010

Date Collected: 06/19/13 16:15

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-10

Matrix: Solid

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75588	06/24/13 17:25	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 15:58	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-010-DUP

Date Collected: 06/19/13 16:15

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-11

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5916 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 17:48	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 16:26	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-011

Date Collected: 06/19/13 16:52

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-12

Matrix: Solid

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9798 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75704	06/25/13 07:33	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		2			75825	06/25/13 16:54	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-061913-WD-012

Date Collected: 06/19/13 17:20

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-13

Matrix: Solid

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4565 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-012

Date Collected: 06/19/13 17:20
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-13

Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75704	06/25/13 10:58	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.1 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 17:23	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-013

Date Collected: 06/20/13 08:52
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-14

Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1593 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75704	06/25/13 10:14	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 17:51	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-014

Date Collected: 06/20/13 08:56
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-15

Matrix: Solid
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3141 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75704	06/25/13 11:20	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.1 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 18:18	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-015

Date Collected: 06/20/13 09:37
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-16

Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9628 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-015

Date Collected: 06/20/13 09:37
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-16

Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75704	06/25/13 11:43	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 18:46	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-016

Date Collected: 06/20/13 09:42
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-17

Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8312 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75704	06/25/13 12:05	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 19:14	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-017

Date Collected: 06/20/13 10:25
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-18

Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8018 g	5 mL	75587	06/24/13 05:09	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75588	06/24/13 09:27	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 19:42	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-018

Date Collected: 06/20/13 11:30
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-19

Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6155 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-018

Date Collected: 06/20/13 11:30
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-19

Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75704	06/25/13 12:28	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.1 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 21:05	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-019

Date Collected: 06/20/13 12:10
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-20

Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1862 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75704	06/25/13 12:50	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75564	06/24/13 06:07	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75825	06/25/13 21:32	VVP	TAL PIT
		Instrument ID: 733								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-020

Date Collected: 06/20/13 12:45
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-21

Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5458 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT
Total/NA	Analysis	8260B		1			75704	06/25/13 13:12	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75566	06/24/13 05:45	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75812	06/25/13 03:17	FB	TAL PIT
		Instrument ID: 722								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: SO-77128-062013-WD-021

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-22

Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3377 g	5 mL	75696	06/25/13 04:16	KLG	TAL PIT

TestAmerica Pittsburgh

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-021

Date Collected: 06/20/13 13:20

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-22

Matrix: Solid

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1			75704	06/25/13 13:36	KLG	TAL PIT
		Instrument ID: HP3								
Total/NA	Prep	3541			15.0 g	0.5 mL	75566	06/24/13 05:45	KG	TAL PIT
Total/NA	Analysis	8270C LL		1			75812	06/25/13 03:45	FB	TAL PIT
		Instrument ID: 722								
Total/NA	Analysis	2540G		1			75492	06/21/13 14:35	MTW	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: W-77128-062013-WD-TB1

Date Collected: 06/20/13 13:20

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	76021	06/27/13 11:18	PJJ	TAL PIT
		Instrument ID: HP4								

Client Sample ID: W-77128-062013-WD-TB2

Date Collected: 06/20/13 13:20

Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	76021	06/27/13 11:44	PJJ	TAL PIT
		Instrument ID: HP4								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KG = Kevin Geehring

KLG = Kathy Gordon

Batch Type: Analysis

FB = Frank Bungard

KLG = Kathy Gordon

MTW = Michael Wesoloski

PJJ = Patrick Journet

VVP = Vincent Piccolino

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-001

Lab Sample ID: 180-22410-1

Date Collected: 06/19/13 11:00

Matrix: Solid

Date Received: 06/21/13 07:45

Percent Solids: 86.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.6	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Benzene	ND		4.6	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Bromodichloromethane	ND		4.6	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Bromoform	ND		4.6	0.41	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Bromomethane	ND		4.6	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
2-Butanone (MEK)	ND		4.6	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Chloroethane	ND		4.6	1.4	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Chloroform	ND		4.6	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Chloromethane	ND		4.6	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Dibromochloromethane	ND		4.6	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,1-Dichloroethene	ND		4.6	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
cis-1,3-Dichloropropene	ND		4.6	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Ethylbenzene	ND		4.6	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
2-Hexanone	ND		4.6	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Methylene Chloride	3.1 JB		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Styrene	ND		4.6	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Trichloroethene	ND		4.6	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Cyclohexane	ND		4.6	0.34	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,2-Dibromoethane (EDB)	ND		4.6	0.80	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Dichlorodifluoromethane	ND		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Methyl acetate	ND		4.6	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.99	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,2-Dichlorobenzene	ND		4.6	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,3-Dichlorobenzene	ND		4.6	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
1,2,4-Trichlorobenzene	ND		4.6	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1
Toluene	ND		4.6	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:02	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-001

Date Collected: 06/19/13 11:00
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-1

Matrix: Solid

Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	77		52 - 124	06/24/13 05:09	06/24/13 14:02	1
Toluene-d8 (Surr)	92		72 - 127	06/24/13 05:09	06/24/13 14:02	1
4-Bromofluorobenzene (Surr)	86		63 - 120	06/24/13 05:09	06/24/13 14:02	1
Dibromofluoromethane (Surr)	72		68 - 121	06/24/13 05:09	06/24/13 14:02	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		77	4.4	ug/Kg	⊗	06/24/13 06:07	06/24/13 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		21 - 116				06/24/13 06:07	06/24/13 21:00	1
2-Fluorobiphenyl	73		28 - 108				06/24/13 06:07	06/24/13 21:00	1
2-Fluorophenol	63		28 - 107				06/24/13 06:07	06/24/13 21:00	1
Nitrobenzene-d5	75		27 - 110				06/24/13 06:07	06/24/13 21:00	1
Phenol-d5	66		30 - 112				06/24/13 06:07	06/24/13 21:00	1
Terphenyl-d14	82		21 - 130				06/24/13 06:07	06/24/13 21:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			06/21/13 14:19	1
Percent Solids	86		0.10	0.10	%			06/21/13 14:19	1

Client Sample ID: SO-77128-061913-WD-002

Date Collected: 06/19/13 11:30
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-2

Matrix: Solid

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Benzene	ND		4.0	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Bromodichloromethane	ND		4.0	0.45	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Bromoform	ND		4.0	0.35	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Bromomethane	ND		4.0	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
2-Butanone (MEK)	ND		4.0	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Carbon disulfide	ND		4.0	0.41	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Carbon tetrachloride	ND		4.0	0.36	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Chlorobenzene	ND		4.0	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Chloroethane	ND		4.0	1.2	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Chloroform	ND		4.0	0.47	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Chloromethane	ND		4.0	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Dibromochloromethane	ND		4.0	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,1-Dichloroethane	ND		4.0	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,2-Dichloroethane	ND		4.0	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,1-Dichloroethene	ND		4.0	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,2-Dichloropropane	ND		4.0	0.44	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
cis-1,3-Dichloropropene	ND		4.0	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
trans-1,3-Dichloropropene	ND		4.0	0.48	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Ethylbenzene	ND		4.0	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
2-Hexanone	ND		4.0	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Methylene Chloride	2.8	J B	4.0	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		4.0	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-002

Lab Sample ID: 180-22410-2

Date Collected: 06/19/13 11:30
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.0	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Tetrachloroethene	ND		4.0	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,1,1-Trichloroethane	ND		4.0	0.39	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,1,2-Trichloroethane	ND		4.0	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Trichloroethene	ND		4.0	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Vinyl chloride	ND		4.0	0.38	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Xylenes, Total	ND		12	1.8	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Cyclohexane	ND		4.0	0.30	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,2-Dibromo-3-Chloropropane	ND		4.0	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,2-Dibromoethane (EDB)	ND		4.0	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Dichlorodifluoromethane	ND		4.0	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
cis-1,2-Dichloroethene	ND		4.0	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
trans-1,2-Dichloroethene	ND		4.0	0.48	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Isopropylbenzene	ND		4.0	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Methyl acetate	ND		4.0	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Methylcyclohexane	ND		4.0	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Methyl tert-butyl ether	ND		4.0	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Trichlorofluoromethane	ND		4.0	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.86	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,2-Dichlorobenzene	ND		4.0	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,3-Dichlorobenzene	ND		4.0	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,4-Dichlorobenzene	ND		4.0	0.51	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
1,2,4-Trichlorobenzene	ND		4.0	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Toluene	ND		4.0	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:25	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)		82		52 - 124			06/24/13 05:09	06/24/13 14:25	1
Toluene-d8 (Surr)		96		72 - 127			06/24/13 05:09	06/24/13 14:25	1
4-Bromofluorobenzene (Surr)		92		63 - 120			06/24/13 05:09	06/24/13 14:25	1
Dibromofluoromethane (Surr)		79		68 - 121			06/24/13 05:09	06/24/13 14:25	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		76	4.4	ug/Kg	⊗	06/24/13 06:07	06/24/13 21:29	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		68		21 - 116			06/24/13 06:07	06/24/13 21:29	1
2-Fluorobiphenyl		75		28 - 108			06/24/13 06:07	06/24/13 21:29	1
2-Fluorophenol		68		28 - 107			06/24/13 06:07	06/24/13 21:29	1
Nitrobenzene-d5		76		27 - 110			06/24/13 06:07	06/24/13 21:29	1
Phenol-d5		74		30 - 112			06/24/13 06:07	06/24/13 21:29	1
Terphenyl-d14		84		21 - 130			06/24/13 06:07	06/24/13 21:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10	0.10	%			06/21/13 14:19	1
Percent Solids	88		0.10	0.10	%			06/21/13 14:19	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-003

Lab Sample ID: 180-22410-3

Date Collected: 06/19/13 12:00
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Benzene	ND		4.2	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Bromodichloromethane	ND		4.2	0.47	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Bromoform	ND		4.2	0.37	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Bromomethane	ND		4.2	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Chloroethane	ND		4.2	1.3	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Chloroform	ND		4.2	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Chloromethane	ND		4.2	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Dibromochloromethane	ND		4.2	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
2-Hexanone	ND		4.2	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Methylene Chloride	3.0 JB		4.2	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Styrene	ND		4.2	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Trichloroethene	ND		4.2	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Xylenes, Total	ND		13	1.9	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Cyclohexane	ND		4.2	0.31	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,2-Dibromoethane (EDB)	ND		4.2	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Methyl acetate	ND		4.2	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1
Toluene	ND		4.2	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 14:47	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-003

Lab Sample ID: 180-22410-3

Date Collected: 06/19/13 12:00
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		52 - 124	06/24/13 05:09	06/24/13 14:47	1
Toluene-d8 (Surr)	92		72 - 127	06/24/13 05:09	06/24/13 14:47	1
4-Bromofluorobenzene (Surr)	86		63 - 120	06/24/13 05:09	06/24/13 14:47	1
Dibromofluoromethane (Surr)	73		68 - 121	06/24/13 05:09	06/24/13 14:47	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		77	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		21 - 116				06/24/13 06:07	06/25/13 12:40	1
2-Fluorobiphenyl	79		28 - 108				06/24/13 06:07	06/25/13 12:40	1
2-Fluorophenol	73		28 - 107				06/24/13 06:07	06/25/13 12:40	1
Nitrobenzene-d5	79		27 - 110				06/24/13 06:07	06/25/13 12:40	1
Phenol-d5	77		30 - 112				06/24/13 06:07	06/25/13 12:40	1
Terphenyl-d14	80		21 - 130				06/24/13 06:07	06/25/13 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			06/21/13 14:19	1
Percent Solids	86		0.10	0.10	%			06/21/13 14:19	1

Client Sample ID: SO-77128-061913-WD-004

Lab Sample ID: 180-22410-4

Date Collected: 06/19/13 12:35
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Benzene	ND		4.5	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Bromodichloromethane	ND		4.5	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Bromoform	ND		4.5	0.39	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Bromomethane	ND		4.5	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
2-Butanone (MEK)	ND		4.5	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Chlorobenzene	ND		4.5	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Chloroethane	ND		4.5	1.4	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Chloroform	ND		4.5	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Chloromethane	ND		4.5	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Dibromochloromethane	ND		4.5	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,1-Dichloroethane	ND		4.5	0.51	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,2-Dichloropropane	ND		4.5	0.48	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
cis-1,3-Dichloropropene	ND		4.5	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
trans-1,3-Dichloropropene	ND		4.5	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Ethylbenzene	ND		4.5	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
2-Hexanone	ND		4.5	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Methylene Chloride	2.9	J B	4.5	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-004

Lab Sample ID: 180-22410-4

Date Collected: 06/19/13 12:35
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.5	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,1,1-Trichloroethane	ND		4.5	0.43	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,1,2-Trichloroethane	ND		4.5	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Trichloroethene	ND		4.5	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Xylenes, Total	ND		13	2.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Cyclohexane	ND		4.5	0.33	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,2-Dibromoethane (EDB)	ND		4.5	0.77	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Dichlorodifluoromethane	ND		4.5	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
trans-1,2-Dichloroethene	ND		4.5	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Isopropylbenzene	ND		4.5	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Methyl acetate	ND		4.5	0.80	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Trichlorofluoromethane	ND		4.5	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.95	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,2-Dichlorobenzene	ND		4.5	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,3-Dichlorobenzene	ND		4.5	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
1,2,4-Trichlorobenzene	ND		4.5	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Toluene	ND		4.5	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:09	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		78		52 - 124			06/24/13 05:09	06/24/13 15:09	1
Toluene-d8 (Surrogate)		94		72 - 127			06/24/13 05:09	06/24/13 15:09	1
4-Bromofluorobenzene (Surrogate)		86		63 - 120			06/24/13 05:09	06/24/13 15:09	1
Dibromofluoromethane (Surrogate)		74		68 - 121			06/24/13 05:09	06/24/13 15:09	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		77	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 13:08	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		68		21 - 116			06/24/13 06:07	06/25/13 13:08	1
2-Fluorobiphenyl		73		28 - 108			06/24/13 06:07	06/25/13 13:08	1
2-Fluorophenol		69		28 - 107			06/24/13 06:07	06/25/13 13:08	1
Nitrobenzene-d5		75		27 - 110			06/24/13 06:07	06/25/13 13:08	1
Phenol-d5		73		30 - 112			06/24/13 06:07	06/25/13 13:08	1
Terphenyl-d14		77		21 - 130			06/24/13 06:07	06/25/13 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10	0.10	%			06/21/13 14:19	1
Percent Solids	87		0.10	0.10	%			06/21/13 14:19	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-005

Lab Sample ID: 180-22410-5

Date Collected: 06/19/13 13:30
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Benzene	ND		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Bromodichloromethane	ND		4.6	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Bromoform	ND		4.6	0.41	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Bromomethane	ND		4.6	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Chloroethane	ND		4.6	1.4	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Chloroform	ND		4.6	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Chloromethane	ND		4.6	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Dibromochloromethane	ND		4.6	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
2-Hexanone	ND		4.6	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Methylene Chloride	3.4 JB		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Styrene	ND		4.6	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Trichloroethene	ND		4.6	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Cyclohexane	ND		4.6	0.34	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,2-Dibromoethane (EDB)	ND		4.6	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Methyl acetate	ND		4.6	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1
Toluene	ND		4.6	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:32	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-005

Lab Sample ID: 180-22410-5

Date Collected: 06/19/13 13:30
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		52 - 124	06/24/13 05:09	06/24/13 15:32	1
Toluene-d8 (Surr)	91		72 - 127	06/24/13 05:09	06/24/13 15:32	1
4-Bromofluorobenzene (Surr)	87		63 - 120	06/24/13 05:09	06/24/13 15:32	1
Dibromofluoromethane (Surr)	80		68 - 121	06/24/13 05:09	06/24/13 15:32	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		77	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		21 - 116				06/24/13 06:07	06/25/13 13:36	1
2-Fluorobiphenyl	72		28 - 108				06/24/13 06:07	06/25/13 13:36	1
2-Fluorophenol	69		28 - 107				06/24/13 06:07	06/25/13 13:36	1
Nitrobenzene-d5	73		27 - 110				06/24/13 06:07	06/25/13 13:36	1
Phenol-d5	74		30 - 112				06/24/13 06:07	06/25/13 13:36	1
Terphenyl-d14	80		21 - 130				06/24/13 06:07	06/25/13 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	86		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-061913-WD-006

Lab Sample ID: 180-22410-6

Date Collected: 06/19/13 13:55
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Benzene	ND		4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Bromodichloromethane	ND		4.8	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Bromoform	ND		4.8	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Bromomethane	ND		4.8	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
2-Butanone (MEK)	ND		4.8	0.84	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Carbon tetrachloride	ND		4.8	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Chlorobenzene	ND		4.8	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Chloroethane	ND		4.8	1.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Chloroform	ND		4.8	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Chloromethane	ND		4.8	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Dibromochloromethane	ND		4.8	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,2-Dichloroethane	ND		4.8	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,1-Dichloroethene	ND		4.8	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
cis-1,3-Dichloropropene	ND		4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
trans-1,3-Dichloropropene	ND		4.8	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Ethylbenzene	ND		4.8	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
2-Hexanone	ND		4.8	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Methylene Chloride	3.6	J B	4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-006

Lab Sample ID: 180-22410-6

Date Collected: 06/19/13 13:55
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.8	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,1,1-Trichloroethane	ND		4.8	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,1,2-Trichloroethane	ND		4.8	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Trichloroethene	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Cyclohexane	ND		4.8	0.35	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,2-Dibromoethane (EDB)	ND		4.8	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Dichlorodifluoromethane	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
cis-1,2-Dichloroethene	ND		4.8	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Methyl acetate	ND		4.8	0.86	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Methylcyclohexane	ND		4.8	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Methyl tert-butyl ether	ND		4.8	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Trichlorofluoromethane	ND		4.8	0.87	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,2-Dichlorobenzene	ND		4.8	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,3-Dichlorobenzene	ND		4.8	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
1,2,4-Trichlorobenzene	ND		4.8	0.84	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Toluene	ND		4.8	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 15:55	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		77		52 - 124			06/24/13 05:09	06/24/13 15:55	1
Toluene-d8 (Surrogate)		97		72 - 127			06/24/13 05:09	06/24/13 15:55	1
4-Bromofluorobenzene (Surrogate)		88		63 - 120			06/24/13 05:09	06/24/13 15:55	1
Dibromofluoromethane (Surrogate)		75		68 - 121			06/24/13 05:09	06/24/13 15:55	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		75	4.3	ug/Kg	⊗	06/24/13 06:07	06/25/13 14:04	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		78		21 - 116			06/24/13 06:07	06/25/13 14:04	1
2-Fluorobiphenyl		80		28 - 108			06/24/13 06:07	06/25/13 14:04	1
2-Fluorophenol		77		28 - 107			06/24/13 06:07	06/25/13 14:04	1
Nitrobenzene-d5		80		27 - 110			06/24/13 06:07	06/25/13 14:04	1
Phenol-d5		81		30 - 112			06/24/13 06:07	06/25/13 14:04	1
Terphenyl-d14		84		21 - 130			06/24/13 06:07	06/25/13 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	89		0.10	0.10	%			06/21/13 14:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-007

Lab Sample ID: 180-22410-7

Date Collected: 06/19/13 14:22
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 87.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Benzene	ND		4.7	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Bromodichloromethane	ND		4.7	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Bromoform	ND		4.7	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Bromomethane	ND		4.7	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Chloroethane	ND		4.7	1.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Chloroform	ND		4.7	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Chloromethane	ND		4.7	0.80	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Dibromochloromethane	ND		4.7	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
2-Hexanone	ND		4.7	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Methylene Chloride	3.0 JB		4.7	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Styrene	ND		4.7	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Trichloroethene	ND		4.7	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Cyclohexane	ND		4.7	0.35	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,2-Dibromoethane (EDB)	ND		4.7	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Methyl acetate	ND		4.7	0.85	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1
Toluene	ND		4.7	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:17	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-007

Date Collected: 06/19/13 14:22
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-7

Matrix: Solid

Percent Solids: 87.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		52 - 124	06/24/13 05:09	06/24/13 16:17	1
Toluene-d8 (Surr)	97		72 - 127	06/24/13 05:09	06/24/13 16:17	1
4-Bromofluorobenzene (Surr)	86		63 - 120	06/24/13 05:09	06/24/13 16:17	1
Dibromofluoromethane (Surr)	74		68 - 121	06/24/13 05:09	06/24/13 16:17	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		76	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		21 - 116				06/24/13 06:07	06/25/13 14:33	1
2-Fluorobiphenyl	75		28 - 108				06/24/13 06:07	06/25/13 14:33	1
2-Fluorophenol	72		28 - 107				06/24/13 06:07	06/25/13 14:33	1
Nitrobenzene-d5	77		27 - 110				06/24/13 06:07	06/25/13 14:33	1
Phenol-d5	77		30 - 112				06/24/13 06:07	06/25/13 14:33	1
Terphenyl-d14	79		21 - 130				06/24/13 06:07	06/25/13 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	87		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-061913-WD-008

Date Collected: 06/19/13 14:57
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-8

Matrix: Solid

Percent Solids: 84.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Benzene	ND		4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Bromodichloromethane	ND		4.8	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Bromoform	ND		4.8	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Bromomethane	ND		4.8	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
2-Butanone (MEK)	ND		4.8	0.84	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Carbon tetrachloride	ND		4.8	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Chlorobenzene	ND		4.8	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Chloroethane	ND		4.8	1.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Chloroform	ND		4.8	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Chloromethane	ND		4.8	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Dibromochloromethane	ND		4.8	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,2-Dichloroethane	ND		4.8	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,1-Dichloroethene	ND		4.8	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
cis-1,3-Dichloropropene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
trans-1,3-Dichloropropene	ND		4.8	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Ethylbenzene	ND		4.8	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
2-Hexanone	ND		4.8	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Methylene Chloride	3.3	J B	4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-008

Lab Sample ID: 180-22410-8

Date Collected: 06/19/13 14:57
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 84.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.8	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,1,1-Trichloroethane	ND		4.8	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,1,2-Trichloroethane	ND		4.8	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Trichloroethene	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Cyclohexane	ND		4.8	0.35	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,2-Dibromoethane (EDB)	ND		4.8	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Dichlorodifluoromethane	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
cis-1,2-Dichloroethene	ND		4.8	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Methyl acetate	ND		4.8	0.86	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Methylcyclohexane	ND		4.8	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Methyl tert-butyl ether	ND		4.8	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Trichlorofluoromethane	ND		4.8	0.87	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,2-Dichlorobenzene	ND		4.8	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,3-Dichlorobenzene	ND		4.8	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
1,2,4-Trichlorobenzene	ND		4.8	0.84	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Toluene	ND		4.8	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 16:40	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		77		52 - 124			06/24/13 05:09	06/24/13 16:40	1
Toluene-d8 (Surrogate)		95		72 - 127			06/24/13 05:09	06/24/13 16:40	1
4-Bromofluorobenzene (Surrogate)		87		63 - 120			06/24/13 05:09	06/24/13 16:40	1
Dibromofluoromethane (Surrogate)		75		68 - 121			06/24/13 05:09	06/24/13 16:40	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		78	4.5	ug/Kg	⊗	06/24/13 06:07	06/25/13 15:01	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		81		21 - 116			06/24/13 06:07	06/25/13 15:01	1
2-Fluorobiphenyl		84		28 - 108			06/24/13 06:07	06/25/13 15:01	1
2-Fluorophenol		80		28 - 107			06/24/13 06:07	06/25/13 15:01	1
Nitrobenzene-d5		86		27 - 110			06/24/13 06:07	06/25/13 15:01	1
Phenol-d5		87		30 - 112			06/24/13 06:07	06/25/13 15:01	1
Terphenyl-d14		88		21 - 130			06/24/13 06:07	06/25/13 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	85		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-009

Lab Sample ID: 180-22410-9

Date Collected: 06/19/13 15:40
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Benzene	ND		4.5	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Bromodichloromethane	ND		4.5	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Bromoform	ND		4.5	0.40	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Bromomethane	ND		4.5	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Chloroethane	ND		4.5	1.4	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Chloroform	ND		4.5	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Chloromethane	ND		4.5	0.77	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Dibromochloromethane	ND		4.5	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
2-Hexanone	ND		4.5	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Methylene Chloride	3.3 JB		4.5	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Styrene	ND		4.5	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Trichloroethene	ND		4.5	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Xylenes, Total	ND		13	2.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Cyclohexane	ND		4.5	0.33	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,2-Dibromoethane (EDB)	ND		4.5	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Methyl acetate	ND		4.5	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.96	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1
Toluene	ND		4.5	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:02	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-009

Lab Sample ID: 180-22410-9

Date Collected: 06/19/13 15:40
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	77		52 - 124	06/24/13 05:09	06/24/13 17:02	1
Toluene-d8 (Surr)	94		72 - 127	06/24/13 05:09	06/24/13 17:02	1
4-Bromofluorobenzene (Surr)	85		63 - 120	06/24/13 05:09	06/24/13 17:02	1
Dibromofluoromethane (Surr)	74		68 - 121	06/24/13 05:09	06/24/13 17:02	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		80	4.6	ug/Kg	⊗	06/24/13 06:07	06/25/13 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		21 - 116				06/24/13 06:07	06/25/13 15:29	1
2-Fluorobiphenyl	79		28 - 108				06/24/13 06:07	06/25/13 15:29	1
2-Fluorophenol	72		28 - 107				06/24/13 06:07	06/25/13 15:29	1
Nitrobenzene-d5	79		27 - 110				06/24/13 06:07	06/25/13 15:29	1
Phenol-d5	79		30 - 112				06/24/13 06:07	06/25/13 15:29	1
Terphenyl-d14	86		21 - 130				06/24/13 06:07	06/25/13 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	84		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-061913-WD-010

Lab Sample ID: 180-22410-10

Date Collected: 06/19/13 16:15
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 87.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Benzene	ND		5.0	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Bromodichloromethane	ND		5.0	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Bromoform	ND		5.0	0.44	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Bromomethane	ND		5.0	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Carbon tetrachloride	ND		5.0	0.44	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Chloroethane	ND		5.0	1.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Chloroform	ND		5.0	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Chloromethane	ND		5.0	0.85	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Dibromochloromethane	ND		5.0	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
2-Hexanone	ND		5.0	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Methylene Chloride	3.5	J B	5.0	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-010

Lab Sample ID: 180-22410-10

Date Collected: 06/19/13 16:15
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 87.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,1,1-Trichloroethane	ND		5.0	0.48	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Trichloroethene	ND		5.0	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Xylenes, Total	ND		15	2.2	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Cyclohexane	ND		5.0	0.37	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,2-Dibromoethane (EDB)	ND		5.0	0.86	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Methyl acetate	ND		5.0	0.90	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Toluene	ND		5.0	0.73	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:25	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		74		52 - 124			06/24/13 05:09	06/24/13 17:25	1
Toluene-d8 (Surrogate)		93		72 - 127			06/24/13 05:09	06/24/13 17:25	1
4-Bromofluorobenzene (Surrogate)		85		63 - 120			06/24/13 05:09	06/24/13 17:25	1
Dibromofluoromethane (Surrogate)		72		68 - 121			06/24/13 05:09	06/24/13 17:25	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		76	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 15:58	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		72		21 - 116			06/24/13 06:07	06/25/13 15:58	1
2-Fluorobiphenyl		84		28 - 108			06/24/13 06:07	06/25/13 15:58	1
2-Fluorophenol		70		28 - 107			06/24/13 06:07	06/25/13 15:58	1
Nitrobenzene-d5		84		27 - 110			06/24/13 06:07	06/25/13 15:58	1
Phenol-d5		76		30 - 112			06/24/13 06:07	06/25/13 15:58	1
Terphenyl-d14		83		21 - 130			06/24/13 06:07	06/25/13 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	87		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-010-DUP

Lab Sample ID: 180-22410-11

Date Collected: 06/19/13 16:15
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.2	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Benzene	ND		5.2	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Bromodichloromethane	ND		5.2	0.58	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Bromoform	ND		5.2	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Bromomethane	ND		5.2	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
2-Butanone (MEK)	ND		5.2	0.91	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Carbon disulfide	ND		5.2	0.53	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Carbon tetrachloride	ND		5.2	0.46	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Chlorobenzene	ND		5.2	0.78	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Chloroethane	ND		5.2	1.6	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Chloroform	ND		5.2	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Chloromethane	ND		5.2	0.88	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Dibromochloromethane	ND		5.2	0.73	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,1-Dichloroethane	ND		5.2	0.60	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,2-Dichloroethane	ND		5.2	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,1-Dichloroethene	ND		5.2	0.88	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,2-Dichloropropane	ND		5.2	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
cis-1,3-Dichloropropene	ND		5.2	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
trans-1,3-Dichloropropene	ND		5.2	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Ethylbenzene	ND		5.2	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
2-Hexanone	ND		5.2	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Methylene Chloride	3.1 JB		5.2	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Styrene	ND		5.2	0.73	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.74	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,1,1-Trichloroethane	ND		5.2	0.50	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,1,2-Trichloroethane	ND		5.2	0.86	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Trichloroethene	ND		5.2	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Vinyl chloride	ND		5.2	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Xylenes, Total	ND		16	2.3	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Cyclohexane	ND		5.2	0.38	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.77	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,2-Dibromoethane (EDB)	ND		5.2	0.89	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Dichlorodifluoromethane	ND		5.2	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
cis-1,2-Dichloroethene	ND		5.2	0.73	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
trans-1,2-Dichloroethene	ND		5.2	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Isopropylbenzene	ND		5.2	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Methyl acetate	ND		5.2	0.93	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Methylcyclohexane	ND		5.2	0.75	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Methyl tert-butyl ether	ND		5.2	0.77	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Trichlorofluoromethane	ND		5.2	0.95	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,2-Dichlorobenzene	ND		5.2	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,3-Dichlorobenzene	ND		5.2	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,4-Dichlorobenzene	ND		5.2	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
1,2,4-Trichlorobenzene	ND		5.2	0.91	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1
Toluene	ND		5.2	0.75	ug/Kg	⊗	06/24/13 05:09	06/24/13 17:48	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-010-DUP

Date Collected: 06/19/13 16:15
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-11

Matrix: Solid

Percent Solids: 86.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		52 - 124	06/24/13 05:09	06/24/13 17:48	1
Toluene-d8 (Surr)	89		72 - 127	06/24/13 05:09	06/24/13 17:48	1
4-Bromofluorobenzene (Surr)	87		63 - 120	06/24/13 05:09	06/24/13 17:48	1
Dibromofluoromethane (Surr)	79		68 - 121	06/24/13 05:09	06/24/13 17:48	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		77	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		21 - 116				06/24/13 06:07	06/25/13 16:26	1
2-Fluorobiphenyl	70		28 - 108				06/24/13 06:07	06/25/13 16:26	1
2-Fluorophenol	52		28 - 107				06/24/13 06:07	06/25/13 16:26	1
Nitrobenzene-d5	71		27 - 110				06/24/13 06:07	06/25/13 16:26	1
Phenol-d5	55		30 - 112				06/24/13 06:07	06/25/13 16:26	1
Terphenyl-d14	82		21 - 130				06/24/13 06:07	06/25/13 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	86		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-061913-WD-011

Date Collected: 06/19/13 16:52
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-12

Matrix: Solid

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Benzene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Bromodichloromethane	ND		5.0	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Bromoform	ND		5.0	0.44	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Bromomethane	ND		5.0	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Chloroethane	ND		5.0	1.6	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Chloroform	ND		5.0	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Chloromethane	ND		5.0	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Dibromochloromethane	ND		5.0	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,2-Dichloroethane	ND		5.0	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
2-Hexanone	ND		5.0	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Methylene Chloride	4.3	J B	5.0	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-011

Lab Sample ID: 180-22410-12

Date Collected: 06/19/13 16:52
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Trichloroethene	ND		5.0	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Xylenes, Total	ND		15	2.2	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Cyclohexane	ND		5.0	0.37	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,2-Dibromoethane (EDB)	ND		5.0	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
cis-1,2-Dichloroethene	ND		5.0	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Methyl acetate	ND		5.0	0.90	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Toluene	ND		5.0	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 07:33	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		74		52 - 124			06/25/13 04:16	06/25/13 07:33	1
Toluene-d8 (Surrogate)		97		72 - 127			06/25/13 04:16	06/25/13 07:33	1
4-Bromofluorobenzene (Surrogate)		83		63 - 120			06/25/13 04:16	06/25/13 07:33	1
Dibromofluoromethane (Surrogate)		70		68 - 121			06/25/13 04:16	06/25/13 07:33	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		160	9.2	ug/Kg	⊗	06/24/13 06:07	06/25/13 16:54	2
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		77		21 - 116			06/24/13 06:07	06/25/13 16:54	2
2-Fluorobiphenyl		87		28 - 108			06/24/13 06:07	06/25/13 16:54	2
2-Fluorophenol		74		28 - 107			06/24/13 06:07	06/25/13 16:54	2
Nitrobenzene-d5		83		27 - 110			06/24/13 06:07	06/25/13 16:54	2
Phenol-d5		78		30 - 112			06/24/13 06:07	06/25/13 16:54	2
Terphenyl-d14		84		21 - 130			06/24/13 06:07	06/25/13 16:54	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	83		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-012

Lab Sample ID: 180-22410-13

Date Collected: 06/19/13 17:20
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Benzene	ND		4.6	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Bromodichloromethane	ND		4.6	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Bromoform	ND		4.6	0.41	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Bromomethane	ND		4.6	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Chloroethane	ND		4.6	1.4	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Chloroform	ND		4.6	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Chloromethane	ND		4.6	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Dibromochloromethane	ND		4.6	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
cis-1,3-Dichloropropene	ND		4.6	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
2-Hexanone	ND		4.6	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Methylene Chloride	2.4 JB		4.6	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Styrene	ND		4.6	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Trichloroethene	ND		4.6	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Cyclohexane	ND		4.6	0.34	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,2-Dibromoethane (EDB)	ND		4.6	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Methyl acetate	ND		4.6	0.83	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.99	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,2-Dichlorobenzene	ND		4.6	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,3-Dichlorobenzene	ND		4.6	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1
Toluene	ND		4.6	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:58	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-061913-WD-012

Lab Sample ID: 180-22410-13

Date Collected: 06/19/13 17:20
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		52 - 124	06/25/13 04:16	06/25/13 10:58	1
Toluene-d8 (Surr)	92		72 - 127	06/25/13 04:16	06/25/13 10:58	1
4-Bromofluorobenzene (Surr)	87		63 - 120	06/25/13 04:16	06/25/13 10:58	1
Dibromofluoromethane (Surr)	77		68 - 121	06/25/13 04:16	06/25/13 10:58	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		79	4.5	ug/Kg	⊗	06/24/13 06:07	06/25/13 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		21 - 116				06/24/13 06:07	06/25/13 17:23	1
2-Fluorobiphenyl	67		28 - 108				06/24/13 06:07	06/25/13 17:23	1
2-Fluorophenol	61		28 - 107				06/24/13 06:07	06/25/13 17:23	1
Nitrobenzene-d5	67		27 - 110				06/24/13 06:07	06/25/13 17:23	1
Phenol-d5	64		30 - 112				06/24/13 06:07	06/25/13 17:23	1
Terphenyl-d14	75		21 - 130				06/24/13 06:07	06/25/13 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	84		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-062013-WD-013

Lab Sample ID: 180-22410-14

Date Collected: 06/20/13 08:52
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 80.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Benzene	ND		5.1	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Bromodichloromethane	ND		5.1	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Bromoform	ND		5.1	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Bromomethane	ND		5.1	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
2-Butanone (MEK)	ND		5.1	0.89	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Carbon disulfide	ND		5.1	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Carbon tetrachloride	ND		5.1	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Chlorobenzene	ND		5.1	0.77	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Chloroethane	ND		5.1	1.6	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Chloroform	ND		5.1	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Chloromethane	ND		5.1	0.86	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Dibromochloromethane	ND		5.1	0.72	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,1-Dichloroethane	ND		5.1	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,2-Dichloroethane	ND		5.1	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,1-Dichloroethene	ND		5.1	0.86	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,2-Dichloropropane	ND		5.1	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
cis-1,3-Dichloropropene	ND		5.1	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
trans-1,3-Dichloropropene	ND		5.1	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Ethylbenzene	ND		5.1	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
2-Hexanone	ND		5.1	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Methylene Chloride	4.4	J B	5.1	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-013

Lab Sample ID: 180-22410-14

Date Collected: 06/20/13 08:52
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 80.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.1	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Tetrachloroethene	ND		5.1	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,1,1-Trichloroethane	ND		5.1	0.49	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,1,2-Trichloroethane	ND		5.1	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Trichloroethene	ND		5.1	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Vinyl chloride	ND		5.1	0.48	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Xylenes, Total	ND		15	2.3	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Cyclohexane	ND		5.1	0.38	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,2-Dibromo-3-Chloropropane	ND		5.1	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,2-Dibromoethane (EDB)	ND		5.1	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Dichlorodifluoromethane	ND		5.1	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
cis-1,2-Dichloroethene	ND		5.1	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
trans-1,2-Dichloroethene	ND		5.1	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Isopropylbenzene	ND		5.1	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Methyl acetate	ND		5.1	0.91	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Methylcyclohexane	ND		5.1	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Methyl tert-butyl ether	ND		5.1	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Trichlorofluoromethane	ND		5.1	0.93	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,2-Dichlorobenzene	ND		5.1	0.81	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,3-Dichlorobenzene	ND		5.1	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,4-Dichlorobenzene	ND		5.1	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
1,2,4-Trichlorobenzene	ND		5.1	0.89	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Toluene	ND		5.1	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 10:14	1
Surrogate	%Recovery	Qualifier			Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)	78				52 - 124		06/25/13 04:16	06/25/13 10:14	1
Toluene-d8 (Surrogate)	96				72 - 127		06/25/13 04:16	06/25/13 10:14	1
4-Bromofluorobenzene (Surrogate)	88				63 - 120		06/25/13 04:16	06/25/13 10:14	1
Dibromofluoromethane (Surrogate)	75				68 - 121		06/25/13 04:16	06/25/13 10:14	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		83	4.8	ug/Kg	⊗	06/24/13 06:07	06/25/13 17:51	1
Surrogate	%Recovery	Qualifier			Limits		Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79				21 - 116		06/24/13 06:07	06/25/13 17:51	1
2-Fluorobiphenyl	89				28 - 108		06/24/13 06:07	06/25/13 17:51	1
2-Fluorophenol	83				28 - 107		06/24/13 06:07	06/25/13 17:51	1
Nitrobenzene-d5	88				27 - 110		06/24/13 06:07	06/25/13 17:51	1
Phenol-d5	84				30 - 112		06/24/13 06:07	06/25/13 17:51	1
Terphenyl-d14	110				21 - 130		06/24/13 06:07	06/25/13 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	80		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-014

Lab Sample ID: 180-22410-15

Date Collected: 06/20/13 08:56
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Benzene	ND		4.8	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Bromodichloromethane	ND		4.8	0.53	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Bromoform	ND		4.8	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Bromomethane	ND		4.8	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
2-Butanone (MEK)	ND		4.8	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Carbon tetrachloride	ND		4.8	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Chlorobenzene	ND		4.8	0.72	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Chloroethane	ND		4.8	1.5	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Chloroform	ND		4.8	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Chloromethane	ND		4.8	0.81	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Dibromochloromethane	ND		4.8	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,2-Dichloroethane	ND		4.8	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,1-Dichloroethene	ND		4.8	0.81	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
cis-1,3-Dichloropropene	ND		4.8	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
trans-1,3-Dichloropropene	ND		4.8	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Ethylbenzene	ND		4.8	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
2-Hexanone	ND		4.8	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Methylene Chloride	3.6 JB		4.8	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Styrene	ND		4.8	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,1,1-Trichloroethane	ND		4.8	0.46	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,1,2-Trichloroethane	ND		4.8	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Trichloroethene	ND		4.8	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Cyclohexane	ND		4.8	0.35	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,2-Dibromoethane (EDB)	ND		4.8	0.82	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Dichlorodifluoromethane	ND		4.8	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
cis-1,2-Dichloroethene	ND		4.8	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Methyl acetate	ND		4.8	0.86	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Methylcyclohexane	ND		4.8	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Methyl tert-butyl ether	ND		4.8	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Trichlorofluoromethane	ND		4.8	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,2-Dichlorobenzene	ND		4.8	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,3-Dichlorobenzene	ND		4.8	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
1,2,4-Trichlorobenzene	ND		4.8	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1
Toluene	ND		4.8	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:20	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-014

Date Collected: 06/20/13 08:56
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-15
Matrix: Solid
Percent Solids: 83.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		52 - 124	06/25/13 04:16	06/25/13 11:20	1
Toluene-d8 (Surr)	96		72 - 127	06/25/13 04:16	06/25/13 11:20	1
4-Bromofluorobenzene (Surr)	87		63 - 120	06/25/13 04:16	06/25/13 11:20	1
Dibromofluoromethane (Surr)	74		68 - 121	06/25/13 04:16	06/25/13 11:20	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		80	4.6	ug/Kg	⊗	06/24/13 06:07	06/25/13 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		21 - 116				06/24/13 06:07	06/25/13 18:18	1
2-Fluorobiphenyl	68		28 - 108				06/24/13 06:07	06/25/13 18:18	1
2-Fluorophenol	63		28 - 107				06/24/13 06:07	06/25/13 18:18	1
Nitrobenzene-d5	67		27 - 110				06/24/13 06:07	06/25/13 18:18	1
Phenol-d5	67		30 - 112				06/24/13 06:07	06/25/13 18:18	1
Terphenyl-d14	67		21 - 130				06/24/13 06:07	06/25/13 18:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	83		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-062013-WD-015

Date Collected: 06/20/13 09:37
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-16
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Benzene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Bromodichloromethane	ND		5.0	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Bromoform	ND		5.0	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Bromomethane	ND		5.0	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
2-Butanone (MEK)	ND		5.0	0.89	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Carbon disulfide	ND		5.0	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Chloroethane	ND		5.0	1.6	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Chloroform	ND		5.0	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Chloromethane	ND		5.0	0.86	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Dibromochloromethane	ND		5.0	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,2-Dichloroethane	ND		5.0	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Ethylbenzene	ND		5.0	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
2-Hexanone	ND		5.0	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Methylene Chloride	4.1	J B	5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-015

Lab Sample ID: 180-22410-16

Date Collected: 06/20/13 09:37
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,1,2-Trichloroethane	ND		5.0	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Trichloroethene	ND		5.0	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Xylenes, Total	ND		15	2.3	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Cyclohexane	ND		5.0	0.37	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,2-Dibromoethane (EDB)	ND		5.0	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
cis-1,2-Dichloroethene	ND		5.0	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Methyl acetate	ND		5.0	0.91	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.89	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Toluene	ND		5.0	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 11:43	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		82		52 - 124			06/25/13 04:16	06/25/13 11:43	1
Toluene-d8 (Surrogate)		91		72 - 127			06/25/13 04:16	06/25/13 11:43	1
4-Bromofluorobenzene (Surrogate)		89		63 - 120			06/25/13 04:16	06/25/13 11:43	1
Dibromofluoromethane (Surrogate)		77		68 - 121			06/25/13 04:16	06/25/13 11:43	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		80	4.6	ug/Kg	⊗	06/24/13 06:07	06/25/13 18:46	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		78		21 - 116			06/24/13 06:07	06/25/13 18:46	1
2-Fluorobiphenyl		80		28 - 108			06/24/13 06:07	06/25/13 18:46	1
2-Fluorophenol		70		28 - 107			06/24/13 06:07	06/25/13 18:46	1
Nitrobenzene-d5		78		27 - 110			06/24/13 06:07	06/25/13 18:46	1
Phenol-d5		75		30 - 112			06/24/13 06:07	06/25/13 18:46	1
Terphenyl-d14		80		21 - 130			06/24/13 06:07	06/25/13 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	83		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-016

Lab Sample ID: 180-22410-17

Date Collected: 06/20/13 09:42
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.5	J	20	4.9	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Benzene	ND		4.9	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Bromodichloromethane	ND		4.9	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Bromoform	ND		4.9	0.44	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Bromomethane	ND		4.9	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Carbon disulfide	ND		4.9	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Chlorobenzene	ND		4.9	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Chloroethane	ND		4.9	1.5	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Chloroform	ND		4.9	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Chloromethane	ND		4.9	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Dibromochloromethane	ND		4.9	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,1-Dichloroethane	ND		4.9	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,2-Dichloroethane	ND		4.9	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,1-Dichloroethene	ND		4.9	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Ethylbenzene	ND		4.9	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
2-Hexanone	ND		4.9	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Methylene Chloride	4.8	J B	4.9	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Styrene	ND		4.9	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Trichloroethene	ND		4.9	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Xylenes, Total	ND		15	2.2	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Cyclohexane	ND		4.9	0.37	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,2-Dibromoethane (EDB)	ND		4.9	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Dichlorodifluoromethane	ND		4.9	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
cis-1,2-Dichloroethene	ND		4.9	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Methyl acetate	ND		4.9	0.89	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Methylcyclohexane	ND		4.9	0.72	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Methyl tert-butyl ether	ND		4.9	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Trichlorofluoromethane	ND		4.9	0.91	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,2-Dichlorobenzene	ND		4.9	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,3-Dichlorobenzene	ND		4.9	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1
Toluene	ND		4.9	0.72	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:05	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-016

Lab Sample ID: 180-22410-17

Date Collected: 06/20/13 09:42
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 86.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		52 - 124	06/25/13 04:16	06/25/13 12:05	1
Toluene-d8 (Surr)	98		72 - 127	06/25/13 04:16	06/25/13 12:05	1
4-Bromofluorobenzene (Surr)	96		63 - 120	06/25/13 04:16	06/25/13 12:05	1
Dibromofluoromethane (Surr)	81		68 - 121	06/25/13 04:16	06/25/13 12:05	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		77	4.4	ug/Kg	⊗	06/24/13 06:07	06/25/13 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		21 - 116				06/24/13 06:07	06/25/13 19:14	1
2-Fluorobiphenyl	75		28 - 108				06/24/13 06:07	06/25/13 19:14	1
2-Fluorophenol	67		28 - 107				06/24/13 06:07	06/25/13 19:14	1
Nitrobenzene-d5	74		27 - 110				06/24/13 06:07	06/25/13 19:14	1
Phenol-d5	72		30 - 112				06/24/13 06:07	06/25/13 19:14	1
Terphenyl-d14	77		21 - 130				06/24/13 06:07	06/25/13 19:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	87		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-062013-WD-017

Lab Sample ID: 180-22410-18

Date Collected: 06/20/13 10:25
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Benzene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Bromodichloromethane	ND		4.8	0.54	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Bromoform	ND		4.8	0.42	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Bromomethane	ND		4.8	0.71	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
2-Butanone (MEK)	ND		4.8	0.85	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Carbon tetrachloride	ND		4.8	0.43	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Chlorobenzene	ND		4.8	0.73	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Chloroethane	ND		4.8	1.5	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Chloroform	ND		4.8	0.56	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Chloromethane	ND		4.8	0.82	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Dibromochloromethane	ND		4.8	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,2-Dichloroethane	ND		4.8	0.59	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,1-Dichloroethene	ND		4.8	0.81	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
cis-1,3-Dichloropropene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
trans-1,3-Dichloropropene	ND		4.8	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Ethylbenzene	ND		4.8	0.62	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
2-Hexanone	ND		4.8	0.66	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Methylene Chloride	3.6	J B	4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-017

Lab Sample ID: 180-22410-18

Date Collected: 06/20/13 10:25
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.8	0.68	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.69	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,1,1-Trichloroethane	ND		4.8	0.47	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,1,2-Trichloroethane	ND		4.8	0.80	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Trichloroethene	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Cyclohexane	ND		4.8	0.36	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,2-Dibromoethane (EDB)	ND		4.8	0.83	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Dichlorodifluoromethane	ND		4.8	0.64	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
cis-1,2-Dichloroethene	ND		4.8	0.67	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Methyl acetate	ND		4.8	0.86	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Methylcyclohexane	ND		4.8	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Methyl tert-butyl ether	ND		4.8	0.72	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Trichlorofluoromethane	ND		4.8	0.88	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,2-Dichlorobenzene	ND		4.8	0.76	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,3-Dichlorobenzene	ND		4.8	0.63	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
1,2,4-Trichlorobenzene	ND		4.8	0.85	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Toluene	ND		4.8	0.70	ug/Kg	⊗	06/24/13 05:09	06/24/13 09:27	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)		78		52 - 124			06/24/13 05:09	06/24/13 09:27	1
Toluene-d8 (Surrogate)		102		72 - 127			06/24/13 05:09	06/24/13 09:27	1
4-Bromofluorobenzene (Surrogate)		91		63 - 120			06/24/13 05:09	06/24/13 09:27	1
Dibromofluoromethane (Surrogate)		75		68 - 121			06/24/13 05:09	06/24/13 09:27	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		74	4.3	ug/Kg	⊗	06/24/13 06:07	06/25/13 19:42	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol		74		21 - 116			06/24/13 06:07	06/25/13 19:42	1
2-Fluorobiphenyl		79		28 - 108			06/24/13 06:07	06/25/13 19:42	1
2-Fluorophenol		72		28 - 107			06/24/13 06:07	06/25/13 19:42	1
Nitrobenzene-d5		76		27 - 110			06/24/13 06:07	06/25/13 19:42	1
Phenol-d5		75		30 - 112			06/24/13 06:07	06/25/13 19:42	1
Terphenyl-d14		81		21 - 130			06/24/13 06:07	06/25/13 19:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	90		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-018

Lab Sample ID: 180-22410-19

Date Collected: 06/20/13 11:30
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 88.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Benzene	ND		4.3	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Bromodichloromethane	ND		4.3	0.48	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Bromoform	ND		4.3	0.38	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Bromomethane	ND		4.3	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Carbon tetrachloride	ND		4.3	0.38	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Chloroethane	ND		4.3	1.3	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Chloroform	ND		4.3	0.50	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Chloromethane	ND		4.3	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Dibromochloromethane	ND		4.3	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,1-Dichloroethane	ND		4.3	0.49	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
2-Hexanone	ND		4.3	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Methylene Chloride	3.2 JB		4.3	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Styrene	ND		4.3	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,1,2-Trichloroethane	ND		4.3	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Trichloroethene	ND		4.3	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Xylenes, Total	ND		13	1.9	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Cyclohexane	ND		4.3	0.32	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,2-Dibromoethane (EDB)	ND		4.3	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
cis-1,2-Dichloroethene	ND		4.3	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Methyl acetate	ND		4.3	0.77	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.91	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,2-Dichlorobenzene	ND		4.3	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,3-Dichlorobenzene	ND		4.3	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1
Toluene	ND		4.3	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:28	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-018

Lab Sample ID: 180-22410-19

Date Collected: 06/20/13 11:30
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 88.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		52 - 124	06/25/13 04:16	06/25/13 12:28	1
Toluene-d8 (Surr)	93		72 - 127	06/25/13 04:16	06/25/13 12:28	1
4-Bromofluorobenzene (Surr)	87		63 - 120	06/25/13 04:16	06/25/13 12:28	1
Dibromofluoromethane (Surr)	75		68 - 121	06/25/13 04:16	06/25/13 12:28	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		75	4.3	ug/Kg	⊗	06/24/13 06:07	06/25/13 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		21 - 116				06/24/13 06:07	06/25/13 21:05	1
2-Fluorobiphenyl	71		28 - 108				06/24/13 06:07	06/25/13 21:05	1
2-Fluorophenol	67		28 - 107				06/24/13 06:07	06/25/13 21:05	1
Nitrobenzene-d5	72		27 - 110				06/24/13 06:07	06/25/13 21:05	1
Phenol-d5	69		30 - 112				06/24/13 06:07	06/25/13 21:05	1
Terphenyl-d14	75		21 - 130				06/24/13 06:07	06/25/13 21:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	88		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-062013-WD-019

Lab Sample ID: 180-22410-20

Date Collected: 06/20/13 12:10
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 85.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.7	J	19	4.7	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Benzene	ND		4.7	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Bromodichloromethane	ND		4.7	0.53	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Bromoform	ND		4.7	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Bromomethane	ND		4.7	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Chloroethane	ND		4.7	1.5	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Chloroform	ND		4.7	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Chloromethane	ND		4.7	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Dibromochloromethane	ND		4.7	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
2-Hexanone	ND		4.7	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Methylene Chloride	3.6	J B	4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-019

Lab Sample ID: 180-22410-20

Date Collected: 06/20/13 12:10
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 85.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.7	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Trichloroethene	ND		4.7	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Cyclohexane	ND		4.7	0.35	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,2-Dibromoethane (EDB)	ND		4.7	0.81	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Methyl acetate	ND		4.7	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Toluene	ND		4.7	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 12:50	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81			52 - 124			06/25/13 04:16	06/25/13 12:50	1
Toluene-d8 (Surr)	98			72 - 127			06/25/13 04:16	06/25/13 12:50	1
4-Bromofluorobenzene (Surr)	90			63 - 120			06/25/13 04:16	06/25/13 12:50	1
Dibromofluoromethane (Surr)	77			68 - 121			06/25/13 04:16	06/25/13 12:50	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		78	4.5	ug/Kg	⊗	06/24/13 06:07	06/25/13 21:32	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68			21 - 116			06/24/13 06:07	06/25/13 21:32	1
2-Fluorobiphenyl	78			28 - 108			06/24/13 06:07	06/25/13 21:32	1
2-Fluorophenol	68			28 - 107			06/24/13 06:07	06/25/13 21:32	1
Nitrobenzene-d5	74			27 - 110			06/24/13 06:07	06/25/13 21:32	1
Phenol-d5	71			30 - 112			06/24/13 06:07	06/25/13 21:32	1
Terphenyl-d14	82			21 - 130			06/24/13 06:07	06/25/13 21:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14			0.10	%			06/21/13 14:35	1
Percent Solids	86			0.10	%			06/21/13 14:35	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-020

Lab Sample ID: 180-22410-21

Date Collected: 06/20/13 12:45
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.4	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Benzene	ND		4.4	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Bromodichloromethane	ND		4.4	0.49	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Bromoform	ND		4.4	0.39	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Bromomethane	ND		4.4	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
2-Butanone (MEK)	ND		4.4	0.77	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Carbon disulfide	ND		4.4	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Chlorobenzene	ND		4.4	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Chloroethane	ND		4.4	1.4	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Chloroform	ND		4.4	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Chloromethane	ND		4.4	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Dibromochloromethane	ND		4.4	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,1-Dichloroethane	ND		4.4	0.50	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,1-Dichloroethene	ND		4.4	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,2-Dichloropropane	ND		4.4	0.47	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
cis-1,3-Dichloropropene	ND		4.4	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
trans-1,3-Dichloropropene	ND		4.4	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Ethylbenzene	ND		4.4	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
2-Hexanone	ND		4.4	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Methylene Chloride	3.8 JB		4.4	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Styrene	ND		4.4	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Tetrachloroethene	ND		4.4	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,1,1-Trichloroethane	ND		4.4	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Trichloroethene	ND		4.4	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Xylenes, Total	ND		13	2.0	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Cyclohexane	ND		4.4	0.32	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,2-Dibromo-3-Chloropropane	ND		4.4	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,2-Dibromoethane (EDB)	ND		4.4	0.75	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Dichlorodifluoromethane	ND		4.4	0.58	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
cis-1,2-Dichloroethene	ND		4.4	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
trans-1,2-Dichloroethene	ND		4.4	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Isopropylbenzene	ND		4.4	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Methyl acetate	ND		4.4	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Methylcyclohexane	ND		4.4	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Methyl tert-butyl ether	ND		4.4	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Trichlorofluoromethane	ND		4.4	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.93	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,3-Dichlorobenzene	ND		4.4	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
1,2,4-Trichlorobenzene	ND		4.4	0.77	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1
Toluene	ND		4.4	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:12	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-020

Lab Sample ID: 180-22410-21

Date Collected: 06/20/13 12:45
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 87.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		52 - 124	06/25/13 04:16	06/25/13 13:12	1
Toluene-d8 (Surr)	94		72 - 127	06/25/13 04:16	06/25/13 13:12	1
4-Bromofluorobenzene (Surr)	86		63 - 120	06/25/13 04:16	06/25/13 13:12	1
Dibromofluoromethane (Surr)	75		68 - 121	06/25/13 04:16	06/25/13 13:12	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		76	4.4	ug/Kg	⊗	06/24/13 05:45	06/25/13 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		21 - 116				06/24/13 05:45	06/25/13 03:17	1
2-Fluorobiphenyl	75		28 - 108				06/24/13 05:45	06/25/13 03:17	1
2-Fluorophenol	75		28 - 107				06/24/13 05:45	06/25/13 03:17	1
Nitrobenzene-d5	81		27 - 110				06/24/13 05:45	06/25/13 03:17	1
Phenol-d5	81		30 - 112				06/24/13 05:45	06/25/13 03:17	1
Terphenyl-d14	84		21 - 130				06/24/13 05:45	06/25/13 03:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	87		0.10	0.10	%			06/21/13 14:35	1

Client Sample ID: SO-77128-062013-WD-021

Lab Sample ID: 180-22410-22

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Benzene	ND		4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Bromodichloromethane	ND		4.7	0.52	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Bromoform	ND		4.7	0.41	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Bromomethane	ND		4.7	0.69	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
2-Butanone (MEK)	ND		4.7	0.82	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Chlorobenzene	ND		4.7	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Chloroethane	ND		4.7	1.4	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Chloroform	ND		4.7	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Chloromethane	ND		4.7	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Dibromochloromethane	ND		4.7	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,2-Dichloroethane	ND		4.7	0.57	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,1-Dichloroethene	ND		4.7	0.79	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
cis-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
2-Hexanone	ND		4.7	0.64	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Methylene Chloride	4.2	J B	4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: SO-77128-062013-WD-021

Lab Sample ID: 180-22410-22

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Matrix: Solid

Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.7	0.66	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Tetrachloroethene	ND		4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,1,1-Trichloroethane	ND		4.7	0.45	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,1,2-Trichloroethane	ND		4.7	0.77	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Trichloroethene	ND		4.7	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Xylenes, Total	ND		14	2.1	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Cyclohexane	ND		4.7	0.35	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,2-Dibromoethane (EDB)	ND		4.7	0.80	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Dichlorodifluoromethane	ND		4.7	0.62	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
cis-1,2-Dichloroethene	ND		4.7	0.65	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
trans-1,2-Dichloroethene	ND		4.7	0.55	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Isopropylbenzene	ND		4.7	0.63	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Methyl acetate	ND		4.7	0.84	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Methylcyclohexane	ND		4.7	0.67	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Trichlorofluoromethane	ND		4.7	0.85	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	0.99	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,2-Dichlorobenzene	ND		4.7	0.74	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,3-Dichlorobenzene	ND		4.7	0.61	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,4-Dichlorobenzene	ND		4.7	0.59	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
1,2,4-Trichlorobenzene	ND		4.7	0.82	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Toluene	ND		4.7	0.68	ug/Kg	⊗	06/25/13 04:16	06/25/13 13:36	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83			52 - 124			06/25/13 04:16	06/25/13 13:36	1
Toluene-d8 (Surr)	93			72 - 127			06/25/13 04:16	06/25/13 13:36	1
4-Bromofluorobenzene (Surr)	87			63 - 120			06/25/13 04:16	06/25/13 13:36	1
Dibromofluoromethane (Surr)	81			68 - 121			06/25/13 04:16	06/25/13 13:36	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		79	4.5	ug/Kg	⊗	06/24/13 05:45	06/25/13 03:45	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78			21 - 116			06/24/13 05:45	06/25/13 03:45	1
2-Fluorobiphenyl	77			28 - 108			06/24/13 05:45	06/25/13 03:45	1
2-Fluorophenol	77			28 - 107			06/24/13 05:45	06/25/13 03:45	1
Nitrobenzene-d5	79			27 - 110			06/24/13 05:45	06/25/13 03:45	1
Phenol-d5	84			30 - 112			06/24/13 05:45	06/25/13 03:45	1
Terphenyl-d14	90			21 - 130			06/24/13 05:45	06/25/13 03:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10	0.10	%			06/21/13 14:35	1
Percent Solids	85		0.10	0.10	%			06/21/13 14:35	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: W-77128-062013-WD-TB1

Lab Sample ID: 180-22410-23

Matrix: Water

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/L			06/27/13 11:18	1
Benzene	ND		5.0	0.99	ug/L			06/27/13 11:18	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/27/13 11:18	1
Bromoform	ND		5.0	1.1	ug/L			06/27/13 11:18	1
Bromomethane	ND		5.0	1.6	ug/L			06/27/13 11:18	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/27/13 11:18	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/27/13 11:18	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/27/13 11:18	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/27/13 11:18	1
Chloroethane	ND		5.0	0.75	ug/L			06/27/13 11:18	1
Chloroform	ND		5.0	1.0	ug/L			06/27/13 11:18	1
Chloromethane	ND		5.0	1.4	ug/L			06/27/13 11:18	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/27/13 11:18	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/27/13 11:18	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/27/13 11:18	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/27/13 11:18	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/27/13 11:18	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/27/13 11:18	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/27/13 11:18	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/27/13 11:18	1
2-Hexanone	ND		5.0	0.57	ug/L			06/27/13 11:18	1
Methylene Chloride	2.3 J		5.0	1.1	ug/L			06/27/13 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/27/13 11:18	1
Styrene	ND		5.0	0.64	ug/L			06/27/13 11:18	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/27/13 11:18	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/27/13 11:18	1
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/27/13 11:18	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/27/13 11:18	1
Trichloroethene	ND		5.0	0.80	ug/L			06/27/13 11:18	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/27/13 11:18	1
Xylenes, Total	ND		10	2.0	ug/L			06/27/13 11:18	1
Cyclohexane	ND		5.0	0.60	ug/L			06/27/13 11:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.35	ug/L			06/27/13 11:18	1
1,2-Dibromoethane (EDB)	ND		5.0	0.61	ug/L			06/27/13 11:18	1
Dichlorodifluoromethane	ND		5.0	0.64	ug/L			06/27/13 11:18	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/27/13 11:18	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/27/13 11:18	1
Isopropylbenzene	ND		5.0	0.53	ug/L			06/27/13 11:18	1
Methyl acetate	ND		25	1.2	ug/L			06/27/13 11:18	1
Methylcyclohexane	ND		5.0	0.56	ug/L			06/27/13 11:18	1
Methyl tert-butyl ether	ND		5.0	1.0	ug/L			06/27/13 11:18	1
Trichlorofluoromethane	ND		5.0	1.1	ug/L			06/27/13 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.33	ug/L			06/27/13 11:18	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/L			06/27/13 11:18	1
1,3-Dichlorobenzene	ND		5.0	0.51	ug/L			06/27/13 11:18	1
1,4-Dichlorobenzene	ND		5.0	0.53	ug/L			06/27/13 11:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.38	ug/L			06/27/13 11:18	1
Toluene	ND		5.0	0.85	ug/L			06/27/13 11:18	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: W-77128-062013-WD-TB1

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-23

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 123		06/27/13 11:18	1
Toluene-d8 (Surr)	105		80 - 120		06/27/13 11:18	1
4-Bromofluorobenzene (Surr)	83		75 - 120		06/27/13 11:18	1
Dibromofluoromethane (Surr)	104		80 - 120		06/27/13 11:18	1

Client Sample ID: W-77128-062013-WD-TB2

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Lab Sample ID: 180-22410-24

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/L			06/27/13 11:44	1
Benzene	ND		5.0	0.99	ug/L			06/27/13 11:44	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/27/13 11:44	1
Bromoform	ND		5.0	1.1	ug/L			06/27/13 11:44	1
Bromomethane	ND		5.0	1.6	ug/L			06/27/13 11:44	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/27/13 11:44	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/27/13 11:44	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/27/13 11:44	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/27/13 11:44	1
Chloroethane	ND		5.0	0.75	ug/L			06/27/13 11:44	1
Chloroform	ND		5.0	1.0	ug/L			06/27/13 11:44	1
Chloromethane	ND		5.0	1.4	ug/L			06/27/13 11:44	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/27/13 11:44	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/27/13 11:44	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/27/13 11:44	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/27/13 11:44	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/27/13 11:44	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/27/13 11:44	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/27/13 11:44	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/27/13 11:44	1
2-Hexanone	ND		5.0	0.57	ug/L			06/27/13 11:44	1
Methylene Chloride	1.1 J		5.0	1.1	ug/L			06/27/13 11:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/27/13 11:44	1
Styrene	ND		5.0	0.64	ug/L			06/27/13 11:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/27/13 11:44	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/27/13 11:44	1
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/27/13 11:44	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/27/13 11:44	1
Trichloroethene	ND		5.0	0.80	ug/L			06/27/13 11:44	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/27/13 11:44	1
Xylenes, Total	ND		10	2.0	ug/L			06/27/13 11:44	1
Cyclohexane	ND		5.0	0.60	ug/L			06/27/13 11:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.35	ug/L			06/27/13 11:44	1
1,2-Dibromoethane (EDB)	ND		5.0	0.61	ug/L			06/27/13 11:44	1
Dichlorodifluoromethane	ND		5.0	0.64	ug/L			06/27/13 11:44	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/27/13 11:44	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/27/13 11:44	1
Isopropylbenzene	ND		5.0	0.53	ug/L			06/27/13 11:44	1
Methyl acetate	ND		25	1.2	ug/L			06/27/13 11:44	1

TestAmerica Pittsburgh

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Client Sample ID: W-77128-062013-WD-TB2

Lab Sample ID: 180-22410-24

Matrix: Water

Date Collected: 06/20/13 13:20
Date Received: 06/21/13 07:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.0	0.56	ug/L			06/27/13 11:44	1
Methyl tert-butyl ether	ND		5.0	1.0	ug/L			06/27/13 11:44	1
Trichlorofluoromethane	ND		5.0	1.1	ug/L			06/27/13 11:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.33	ug/L			06/27/13 11:44	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/L			06/27/13 11:44	1
1,3-Dichlorobenzene	ND		5.0	0.51	ug/L			06/27/13 11:44	1
1,4-Dichlorobenzene	ND		5.0	0.53	ug/L			06/27/13 11:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.38	ug/L			06/27/13 11:44	1
Toluene	ND		5.0	0.85	ug/L			06/27/13 11:44	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)		97		62 - 123				06/27/13 11:44	1
Toluene-d8 (Surr)		105		80 - 120				06/27/13 11:44	1
4-Bromofluorobenzene (Surr)		85		75 - 120				06/27/13 11:44	1
Dibromofluoromethane (Surr)		102		80 - 120				06/27/13 11:44	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-75587/1-A

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Benzene	ND		5.0	0.68	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Bromodichloromethane	ND		5.0	0.56	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Bromoform	ND		5.0	0.44	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Bromomethane	ND		5.0	0.74	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Chloroethane	ND		5.0	1.5	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Chloroform	ND		5.0	0.58	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Chloromethane	ND		5.0	0.85	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Dibromochloromethane	ND		5.0	0.71	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
2-Hexanone	ND		5.0	0.69	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Methylene Chloride	2.96	J	5.0	0.67	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Styrene	ND		5.0	0.71	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Trichloroethene	ND		5.0	0.66	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Xylenes, Total	ND		15	2.2	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Cyclohexane	ND		5.0	0.37	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,2-Dibromoethane (EDB)	ND		5.0	0.86	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Methyl acetate	ND		5.0	0.90	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1
Toluene	ND		5.0	0.73	ug/Kg	06/24/13 05:09	06/24/13 08:42	06/24/13 08:42	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-75587/1-A

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75587

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)		87			52 - 124	06/24/13 05:09	06/24/13 08:42	1
Toluene-d8 (Surr)		94			72 - 127	06/24/13 05:09	06/24/13 08:42	1
4-Bromofluorobenzene (Surr)		89			63 - 120	06/24/13 05:09	06/24/13 08:42	1
Dibromofluoromethane (Surr)		77			68 - 121	06/24/13 05:09	06/24/13 08:42	1

Lab Sample ID: LCS 180-75587/2-A

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75587

Analyte	Spike Added	MB	LCS	LCS	Unit	D	%Rec	Limits
			Result	Qualifier				
Acetone	40.0		43.9		ug/Kg		110	20 - 150
Benzene	40.0		40.2		ug/Kg		100	77 - 120
Bromodichloromethane	40.0		40.5		ug/Kg		101	70 - 125
Bromoform	40.0		29.9		ug/Kg		75	53 - 140
Bromomethane	40.0		34.2		ug/Kg		85	25 - 150
2-Butanone (MEK)	40.0		39.6		ug/Kg		99	35 - 149
Carbon disulfide	40.0		41.2		ug/Kg		103	50 - 127
Carbon tetrachloride	40.0		36.8		ug/Kg		92	69 - 122
Chlorobenzene	40.0		40.8		ug/Kg		102	79 - 120
Chloroethane	40.0		35.9		ug/Kg		90	22 - 150
Chloroform	40.0		39.8		ug/Kg		99	72 - 120
Chloromethane	40.0		40.9		ug/Kg		102	44 - 131
Dibromochloromethane	40.0		38.9		ug/Kg		97	70 - 132
1,1-Dichloroethane	40.0		41.7		ug/Kg		104	66 - 124
1,2-Dichloroethane	40.0		40.7		ug/Kg		102	61 - 127
1,1-Dichloroethene	40.0		38.4		ug/Kg		96	59 - 129
1,2-Dichloropropane	40.0		40.8		ug/Kg		102	72 - 122
cis-1,3-Dichloropropene	40.0		41.0		ug/Kg		102	73 - 120
trans-1,3-Dichloropropene	40.0		45.5		ug/Kg		114	74 - 129
Ethylbenzene	40.0		44.0		ug/Kg		110	78 - 125
2-Hexanone	40.0		48.3		ug/Kg		121	32 - 150
Methylene Chloride	40.0		37.6		ug/Kg		94	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0		43.0		ug/Kg		108	44 - 148
Styrene	40.0		43.3		ug/Kg		108	83 - 129
1,1,2,2-Tetrachloroethane	40.0		42.3		ug/Kg		106	60 - 139
Tetrachloroethene	40.0		33.8		ug/Kg		84	78 - 129
1,1,1-Trichloroethane	40.0		40.2		ug/Kg		101	67 - 126
1,1,2-Trichloroethane	40.0		40.7		ug/Kg		102	70 - 128
Trichloroethene	40.0		33.6		ug/Kg		84	76 - 119
Vinyl chloride	40.0		41.1		ug/Kg		103	63 - 124
Xylenes, Total	80.0		85.9		ug/Kg		107	83 - 126
Cyclohexane	40.0		41.6		ug/Kg		104	64 - 130
1,2-Dibromo-3-Chloropropane	40.0		39.0		ug/Kg		97	35 - 136
1,2-Dibromoethane (EDB)	40.0		39.1		ug/Kg		98	70 - 131
Dichlorodifluoromethane	40.0		39.0		ug/Kg		97	25 - 150
cis-1,2-Dichloroethene	40.0		37.8		ug/Kg		94	80 - 118
trans-1,2-Dichloroethene	40.0		38.5		ug/Kg		96	77 - 121
Isopropylbenzene	40.0		45.5		ug/Kg		114	70 - 133

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-75587/2-A

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75587

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Methyl acetate	200	188		ug/Kg		94	27 - 142
Methylcyclohexane	40.0	41.3		ug/Kg		103	66 - 135
Methyl tert-butyl ether	40.0	37.0		ug/Kg		92	48 - 132
Trichlorofluoromethane	40.0	36.4		ug/Kg		91	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.1		ug/Kg		95	55 - 130
1,2-Dichlorobenzene	40.0	39.6		ug/Kg		99	71 - 124
1,3-Dichlorobenzene	40.0	39.8		ug/Kg		99	75 - 118
1,4-Dichlorobenzene	40.0	40.0		ug/Kg		100	77 - 116
1,2,4-Trichlorobenzene	40.0	41.6		ug/Kg		104	51 - 136
Toluene	40.0	44.4		ug/Kg		111	78 - 124

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	81		52 - 124
Toluene-d8 (Surr)	90		72 - 127
4-Bromofluorobenzene (Surr)	85		63 - 120
Dibromofluoromethane (Surr)	74		68 - 121

Lab Sample ID: 180-22410-18 MS

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: SO-77128-062013-WD-017

Prep Type: Total/NA

Prep Batch: 75587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acetone	ND		36.6	44.2		ug/Kg	⊗	121	20 - 150
Benzene	ND		36.6	37.8		ug/Kg	⊗	103	77 - 120
Bromodichloromethane	ND		36.6	37.2		ug/Kg	⊗	102	70 - 125
Bromoform	ND		36.6	28.8		ug/Kg	⊗	79	53 - 140
Bromomethane	ND		36.6	33.4		ug/Kg	⊗	91	25 - 150
2-Butanone (MEK)	ND		36.6	37.9		ug/Kg	⊗	103	35 - 149
Carbon disulfide	ND		36.6	38.4		ug/Kg	⊗	105	50 - 127
Carbon tetrachloride	ND		36.6	35.1		ug/Kg	⊗	96	69 - 122
Chlorobenzene	ND		36.6	38.4		ug/Kg	⊗	105	79 - 120
Chloroethane	ND		36.6	33.8		ug/Kg	⊗	92	22 - 150
Chloroform	ND		36.6	37.6		ug/Kg	⊗	103	72 - 120
Chloromethane	ND		36.6	38.0		ug/Kg	⊗	104	44 - 131
Dibromochloromethane	ND		36.6	35.6		ug/Kg	⊗	97	70 - 132
1,1-Dichloroethane	ND		36.6	39.4		ug/Kg	⊗	108	66 - 124
1,2-Dichloroethane	ND		36.6	38.2		ug/Kg	⊗	104	61 - 127
1,1-Dichloroethene	ND		36.6	35.1		ug/Kg	⊗	96	59 - 129
1,2-Dichloropropane	ND		36.6	38.3		ug/Kg	⊗	105	72 - 122
cis-1,3-Dichloropropene	ND		36.6	38.4		ug/Kg	⊗	105	73 - 120
trans-1,3-Dichloropropene	ND		36.6	44.7		ug/Kg	⊗	122	74 - 129
Ethylbenzene	ND		36.6	40.6		ug/Kg	⊗	111	78 - 125
2-Hexanone	ND		36.6	46.9		ug/Kg	⊗	128	32 - 150
Methylene Chloride	3.6	J B	36.6	34.8		ug/Kg	⊗	85	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		36.6	42.3		ug/Kg	⊗	116	44 - 148
Styrene	ND		36.6	40.2		ug/Kg	⊗	110	83 - 129
1,1,2,2-Tetrachloroethane	ND		36.6	40.7		ug/Kg	⊗	111	60 - 139

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-22410-18 MS

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: SO-77128-062013-WD-017

Prep Type: Total/NA

Prep Batch: 75587

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier	Added	Result	Qualifier					
Tetrachloroethene	ND		36.6	31.5		ug/Kg	⊗	86	78 - 129	
1,1,1-Trichloroethane	ND		36.6	38.1		ug/Kg	⊗	104	67 - 126	
1,1,2-Trichloroethane	ND		36.6	38.4		ug/Kg	⊗	105	70 - 128	
Trichloroethene	ND		36.6	31.3		ug/Kg	⊗	86	76 - 119	
Vinyl chloride	ND		36.6	38.7		ug/Kg	⊗	106	63 - 124	
Xylenes, Total	ND		73.2	80.6		ug/Kg	⊗	110	83 - 126	
Cyclohexane	ND		36.6	40.3		ug/Kg	⊗	110	64 - 130	
1,2-Dibromo-3-Chloropropane	ND		36.6	39.8		ug/Kg	⊗	109	35 - 136	
1,2-Dibromoethane (EDB)	ND		36.6	38.4		ug/Kg	⊗	105	70 - 131	
Dichlorodifluoromethane	ND		36.6	36.5		ug/Kg	⊗	100	25 - 150	
cis-1,2-Dichloroethene	ND		36.6	35.9		ug/Kg	⊗	98	80 - 118	
trans-1,2-Dichloroethene	ND		36.6	36.4		ug/Kg	⊗	100	77 - 121	
Isopropylbenzene	ND		36.6	42.3		ug/Kg	⊗	115	70 - 133	
Methyl acetate	ND		183	188		ug/Kg	⊗	103	27 - 142	
Methylcyclohexane	ND		36.6	38.9		ug/Kg	⊗	106	66 - 135	
Methyl tert-butyl ether	ND		36.6	36.6		ug/Kg	⊗	100	48 - 132	
Trichlorofluoromethane	ND		36.6	34.2		ug/Kg	⊗	93	20 - 150	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		36.6	34.8		ug/Kg	⊗	95	55 - 130	
1,2-Dichlorobenzene	ND		36.6	37.5		ug/Kg	⊗	102	71 - 124	
1,3-Dichlorobenzene	ND		36.6	38.0		ug/Kg	⊗	104	75 - 118	
1,4-Dichlorobenzene	ND		36.6	37.8		ug/Kg	⊗	103	77 - 116	
1,2,4-Trichlorobenzene	ND		36.6	39.5		ug/Kg	⊗	108	51 - 136	
Toluene	ND		36.6	41.0		ug/Kg	⊗	112	78 - 124	

MS MS

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		52 - 124
Toluene-d8 (Surr)	89		72 - 127
4-Bromofluorobenzene (Surr)	86		63 - 120
Dibromofluoromethane (Surr)	74		68 - 121

Lab Sample ID: 180-22410-18 MSD

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: SO-77128-062013-WD-017

Prep Type: Total/NA

Prep Batch: 75587

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND		33.3	41.4		ug/Kg	⊗	124	20 - 150	6	40
Benzene	ND		33.3	37.3		ug/Kg	⊗	112	77 - 120	1	20
Bromodichloromethane	ND		33.3	36.6		ug/Kg	⊗	110	70 - 125	2	21
Bromoform	ND		33.3	27.7		ug/Kg	⊗	83	53 - 140	4	23
Bromomethane	ND		33.3	31.5		ug/Kg	⊗	94	25 - 150	6	40
2-Butanone (MEK)	ND		33.3	35.9		ug/Kg	⊗	108	35 - 149	5	36
Carbon disulfide	ND		33.3	38.3		ug/Kg	⊗	115	50 - 127	0	23
Carbon tetrachloride	ND		33.3	33.4		ug/Kg	⊗	100	69 - 122	5	22
Chlorobenzene	ND		33.3	38.0		ug/Kg	⊗	114	79 - 120	1	20
Chloroethane	ND		33.3	31.7		ug/Kg	⊗	95	22 - 150	6	40
Chloroform	ND		33.3	37.1		ug/Kg	⊗	111	72 - 120	1	25
Chloromethane	ND		33.3	38.5		ug/Kg	⊗	115	44 - 131	1	27

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-22410-18 MSD

Matrix: Solid

Analysis Batch: 75588

Client Sample ID: SO-77128-062013-WD-017

Prep Type: Total/NA

Prep Batch: 75587

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Dibromochloromethane	ND		33.3	34.0		ug/Kg	⊗	102	70 - 132	5	20
1,1-Dichloroethane	ND		33.3	38.4		ug/Kg	⊗	115	66 - 124	3	23
1,2-Dichloroethane	ND		33.3	37.2		ug/Kg	⊗	112	61 - 127	3	23
1,1-Dichloroethene	ND		33.3	35.3		ug/Kg	⊗	106	59 - 129	0	25
1,2-Dichloropropane	ND		33.3	37.4		ug/Kg	⊗	112	72 - 122	2	20
cis-1,3-Dichloropropene	ND		33.3	37.4		ug/Kg	⊗	112	73 - 120	3	20
trans-1,3-Dichloropropene	ND		33.3	42.7		ug/Kg	⊗	128	74 - 129	4	20
Ethylbenzene	ND		33.3	39.3		ug/Kg	⊗	118	78 - 125	3	21
2-Hexanone	ND		33.3	46.4		ug/Kg	⊗	139	32 - 150	1	32
Methylene Chloride	3.6	J B	33.3	33.3		ug/Kg	⊗	89	58 - 127	5	28
4-Methyl-2-pentanone (MIBK)	ND		33.3	41.8		ug/Kg	⊗	125	44 - 148	1	30
Styrene	ND		33.3	39.3		ug/Kg	⊗	118	83 - 129	2	20
1,1,2,2-Tetrachloroethane	ND		33.3	39.3		ug/Kg	⊗	118	60 - 139	3	24
Tetrachloroethene	ND		33.3	30.9		ug/Kg	⊗	93	78 - 129	2	20
1,1,1-Trichloroethane	ND		33.3	37.3		ug/Kg	⊗	112	67 - 126	2	31
1,1,2-Trichloroethane	ND		33.3	38.0		ug/Kg	⊗	114	70 - 128	1	22
Trichloroethene	ND		33.3	30.3		ug/Kg	⊗	91	76 - 119	3	21
Vinyl chloride	ND		33.3	39.1		ug/Kg	⊗	117	63 - 124	1	27
Xylenes, Total	ND		66.6	79.1		ug/Kg	⊗	119	83 - 126	2	20
Cyclohexane	ND		33.3	39.2		ug/Kg	⊗	118	64 - 130	3	21
1,2-Dibromo-3-Chloropropane	ND		33.3	37.5		ug/Kg	⊗	113	35 - 136	6	40
1,2-Dibromoethane (EDB)	ND		33.3	36.3		ug/Kg	⊗	109	70 - 131	5	20
Dichlorodifluoromethane	ND		33.3	35.6		ug/Kg	⊗	107	25 - 150	2	34
cis-1,2-Dichloroethene	ND		33.3	35.7		ug/Kg	⊗	107	80 - 118	1	20
trans-1,2-Dichloroethene	ND		33.3	36.1		ug/Kg	⊗	108	77 - 121	1	20
Isopropylbenzene	ND		33.3	41.4		ug/Kg	⊗	124	70 - 133	2	22
Methyl acetate	ND		167	178		ug/Kg	⊗	107	27 - 142	5	40
Methylcyclohexane	ND		33.3	38.8		ug/Kg	⊗	116	66 - 135	0	23
Methyl tert-butyl ether	ND		33.3	34.8		ug/Kg	⊗	105	48 - 132	5	36
Trichlorofluoromethane	ND		33.3	31.7		ug/Kg	⊗	95	20 - 150	7	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		33.3	34.3		ug/Kg	⊗	103	55 - 130	1	37
1,2-Dichlorobenzene	ND		33.3	37.4		ug/Kg	⊗	112	71 - 124	0	22
1,3-Dichlorobenzene	ND		33.3	37.3		ug/Kg	⊗	112	75 - 118	2	20
1,4-Dichlorobenzene	ND		33.3	37.4		ug/Kg	⊗	112	77 - 116	1	20
1,2,4-Trichlorobenzene	ND		33.3	40.7		ug/Kg	⊗	122	51 - 136	3	40
Toluene	ND		33.3	40.6		ug/Kg	⊗	122	78 - 124	1	21
Surrogate											
		MSD	MSD								
		%Recovery	Qualifier								
1,2-Dichloroethane-d4 (Surr)		86		52 - 124							
Toluene-d8 (Surr)		94		72 - 127							
4-Bromofluorobenzene (Surr)		90		63 - 120							
Dibromofluoromethane (Surr)		77		68 - 121							

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-75696/1-A

Matrix: Solid

Analysis Batch: 75704

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Benzene	ND		5.0	0.68	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Bromodichloromethane	ND		5.0	0.56	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Bromoform	ND		5.0	0.44	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Bromomethane	ND		5.0	0.74	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Chloroethane	ND		5.0	1.5	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Chloroform	ND		5.0	0.58	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Chloromethane	ND		5.0	0.85	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Dibromochloromethane	ND		5.0	0.71	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
2-Hexanone	ND		5.0	0.69	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Methylene Chloride	2.80	J	5.0	0.67	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Styrene	ND		5.0	0.71	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Trichloroethene	ND		5.0	0.66	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Xylenes, Total	ND		15	2.2	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Cyclohexane	ND		5.0	0.37	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,2-Dibromoethane (EDB)	ND		5.0	0.86	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Methyl acetate	ND		5.0	0.90	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1
Toluene	ND		5.0	0.73	ug/Kg	06/25/13 04:16	06/25/13 06:49	06/25/13 06:49	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-75696/1-A

Matrix: Solid

Analysis Batch: 75704

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75696

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1,2-Dichloroethane-d4 (Surr)	83		52 - 124			06/25/13 04:16	06/25/13 06:49	1
Toluene-d8 (Surr)	89		72 - 127			06/25/13 04:16	06/25/13 06:49	1
4-Bromofluorobenzene (Surr)	84		63 - 120			06/25/13 04:16	06/25/13 06:49	1
Dibromofluoromethane (Surr)	71		68 - 121			06/25/13 04:16	06/25/13 06:49	1

Lab Sample ID: LCS 180-75696/2-A

Matrix: Solid

Analysis Batch: 75704

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75696

Analyte	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
	%Recovery	Qualifier								
Acetone			40.0	44.8		ug/Kg		112	20 - 150	
Benzene			40.0	41.3		ug/Kg		103	77 - 120	
Bromodichloromethane			40.0	40.6		ug/Kg		102	70 - 125	
Bromoform			40.0	30.6		ug/Kg		77	53 - 140	
Bromomethane			40.0	35.8		ug/Kg		90	25 - 150	
2-Butanone (MEK)			40.0	38.7		ug/Kg		97	35 - 149	
Carbon disulfide			40.0	41.4		ug/Kg		103	50 - 127	
Carbon tetrachloride			40.0	38.1		ug/Kg		95	69 - 122	
Chlorobenzene			40.0	43.2		ug/Kg		108	79 - 120	
Chloroethane			40.0	37.8		ug/Kg		95	22 - 150	
Chloroform			40.0	41.3		ug/Kg		103	72 - 120	
Chloromethane			40.0	41.7		ug/Kg		104	44 - 131	
Dibromochloromethane			40.0	39.2		ug/Kg		98	70 - 132	
1,1-Dichloroethane			40.0	42.5		ug/Kg		106	66 - 124	
1,2-Dichloroethane			40.0	41.5		ug/Kg		104	61 - 127	
1,1-Dichloroethene			40.0	39.8		ug/Kg		100	59 - 129	
1,2-Dichloropropane			40.0	42.1		ug/Kg		105	72 - 122	
cis-1,3-Dichloropropene			40.0	41.2		ug/Kg		103	73 - 120	
trans-1,3-Dichloropropene			40.0	47.0		ug/Kg		117	74 - 129	
Ethylbenzene			40.0	45.9		ug/Kg		115	78 - 125	
2-Hexanone			40.0	49.1		ug/Kg		123	32 - 150	
Methylene Chloride			40.0	42.6		ug/Kg		106	58 - 127	
4-Methyl-2-pentanone (MIBK)			40.0	43.3		ug/Kg		108	44 - 148	
Styrene			40.0	45.2		ug/Kg		113	83 - 129	
1,1,2,2-Tetrachloroethane			40.0	42.4		ug/Kg		106	60 - 139	
Tetrachloroethene			40.0	35.4		ug/Kg		89	78 - 129	
1,1,1-Trichloroethane			40.0	41.7		ug/Kg		104	67 - 126	
1,1,2-Trichloroethane			40.0	43.2		ug/Kg		108	70 - 128	
Trichloroethene			40.0	33.4		ug/Kg		84	76 - 119	
Vinyl chloride			40.0	41.9		ug/Kg		105	63 - 124	
Xylenes, Total			80.0	90.0		ug/Kg		113	83 - 126	
Cyclohexane			40.0	43.6		ug/Kg		109	64 - 130	
1,2-Dibromo-3-Chloropropane			40.0	36.2		ug/Kg		91	35 - 136	
1,2-Dibromoethane (EDB)			40.0	40.9		ug/Kg		102	70 - 131	
Dichlorodifluoromethane			40.0	39.8		ug/Kg		100	25 - 150	
cis-1,2-Dichloroethene			40.0	37.7		ug/Kg		94	80 - 118	
trans-1,2-Dichloroethene			40.0	39.1		ug/Kg		98	77 - 121	
Isopropylbenzene			40.0	47.1		ug/Kg		118	70 - 133	

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-75696/2-A

Matrix: Solid

Analysis Batch: 75704

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75696

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Methyl acetate	200	184		ug/Kg		92	27 - 142
Methylcyclohexane	40.0	42.8		ug/Kg		107	66 - 135
Methyl tert-butyl ether	40.0	36.8		ug/Kg		92	48 - 132
Trichlorofluoromethane	40.0	38.3		ug/Kg		96	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.6		ug/Kg		96	55 - 130
1,2-Dichlorobenzene	40.0	41.4		ug/Kg		104	71 - 124
1,3-Dichlorobenzene	40.0	41.5		ug/Kg		104	75 - 118
1,4-Dichlorobenzene	40.0	41.1		ug/Kg		103	77 - 116
1,2,4-Trichlorobenzene	40.0	40.7		ug/Kg		102	51 - 136
Toluene	40.0	46.2		ug/Kg		116	78 - 124

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		52 - 124
Toluene-d8 (Surr)	95		72 - 127
4-Bromofluorobenzene (Surr)	92		63 - 120
Dibromofluoromethane (Surr)	75		68 - 121

Lab Sample ID: 180-22410-12 MS

Matrix: Solid

Analysis Batch: 75704

Client Sample ID: SO-77128-061913-WD-011

Prep Type: Total/NA

Prep Batch: 75696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acetone	ND		47.8	52.0		ug/Kg	⊗	109	20 - 150
Benzene	ND		47.8	49.6		ug/Kg	⊗	104	77 - 120
Bromodichloromethane	ND		47.8	50.2		ug/Kg	⊗	105	70 - 125
Bromoform	ND		47.8	36.4		ug/Kg	⊗	76	53 - 140
Bromomethane	ND		47.8	44.7		ug/Kg	⊗	93	25 - 150
2-Butanone (MEK)	ND		47.8	44.8		ug/Kg	⊗	94	35 - 149
Carbon disulfide	ND		47.8	50.1		ug/Kg	⊗	105	50 - 127
Carbon tetrachloride	ND		47.8	44.9		ug/Kg	⊗	94	69 - 122
Chlorobenzene	ND		47.8	49.9		ug/Kg	⊗	104	79 - 120
Chloroethane	ND		47.8	44.9		ug/Kg	⊗	94	22 - 150
Chloroform	ND		47.8	49.1		ug/Kg	⊗	103	72 - 120
Chloromethane	ND		47.8	51.4		ug/Kg	⊗	108	44 - 131
Dibromochloromethane	ND		47.8	45.8		ug/Kg	⊗	96	70 - 132
1,1-Dichloroethane	ND		47.8	51.1		ug/Kg	⊗	107	66 - 124
1,2-Dichloroethane	ND		47.8	50.3		ug/Kg	⊗	105	61 - 127
1,1-Dichloroethene	ND		47.8	47.2		ug/Kg	⊗	99	59 - 129
1,2-Dichloropropane	ND		47.8	50.1		ug/Kg	⊗	105	72 - 122
cis-1,3-Dichloropropene	ND		47.8	50.1		ug/Kg	⊗	105	73 - 120
trans-1,3-Dichloropropene	ND		47.8	55.6		ug/Kg	⊗	116	74 - 129
Ethylbenzene	ND		47.8	53.1		ug/Kg	⊗	111	78 - 125
2-Hexanone	ND		47.8	58.2		ug/Kg	⊗	122	32 - 150
Methylene Chloride	4.3	J B	47.8	46.0		ug/Kg	⊗	87	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		47.8	52.3		ug/Kg	⊗	109	44 - 148
Styrene	ND		47.8	53.1		ug/Kg	⊗	111	83 - 129
1,1,2,2-Tetrachloroethane	ND		47.8	52.5		ug/Kg	⊗	110	60 - 139

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-22410-12 MS

Client Sample ID: SO-77128-061913-WD-011

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 75704

Prep Batch: 75696

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier	Added	Result	Qualifier					
Tetrachloroethene	ND		47.8	42.3		ug/Kg	⊗	88	78 - 129	
1,1,1-Trichloroethane	ND		47.8	49.8		ug/Kg	⊗	104	67 - 126	
1,1,2-Trichloroethane	ND		47.8	50.8		ug/Kg	⊗	106	70 - 128	
Trichloroethene	ND		47.8	41.4		ug/Kg	⊗	87	76 - 119	
Vinyl chloride	ND		47.8	51.7		ug/Kg	⊗	108	63 - 124	
Xylenes, Total	ND		95.6	105		ug/Kg	⊗	110	83 - 126	
Cyclohexane	ND		47.8	52.4		ug/Kg	⊗	110	64 - 130	
1,2-Dibromo-3-Chloropropane	ND		47.8	49.3		ug/Kg	⊗	103	35 - 136	
1,2-Dibromoethane (EDB)	ND		47.8	48.6		ug/Kg	⊗	102	70 - 131	
Dichlorodifluoromethane	ND		47.8	49.5		ug/Kg	⊗	103	25 - 150	
cis-1,2-Dichloroethene	ND		47.8	46.6		ug/Kg	⊗	98	80 - 118	
trans-1,2-Dichloroethene	ND		47.8	47.4		ug/Kg	⊗	99	77 - 121	
Isopropylbenzene	ND		47.8	55.0		ug/Kg	⊗	115	70 - 133	
Methyl acetate	ND		239	232		ug/Kg	⊗	97	27 - 142	
Methylcyclohexane	ND		47.8	51.0		ug/Kg	⊗	107	66 - 135	
Methyl tert-butyl ether	ND		47.8	45.9		ug/Kg	⊗	96	48 - 132	
Trichlorofluoromethane	ND		47.8	44.3		ug/Kg	⊗	93	20 - 150	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47.8	47.3		ug/Kg	⊗	99	55 - 130	
1,2-Dichlorobenzene	ND		47.8	49.9		ug/Kg	⊗	104	71 - 124	
1,3-Dichlorobenzene	ND		47.8	49.7		ug/Kg	⊗	104	75 - 118	
1,4-Dichlorobenzene	ND		47.8	49.5		ug/Kg	⊗	103	77 - 116	
1,2,4-Trichlorobenzene	ND		47.8	51.0		ug/Kg	⊗	107	51 - 136	
Toluene	ND		47.8	54.0		ug/Kg	⊗	113	78 - 124	

MS MS

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		52 - 124
Toluene-d8 (Surr)	94		72 - 127
4-Bromofluorobenzene (Surr)	90		63 - 120
Dibromofluoromethane (Surr)	77		68 - 121

Lab Sample ID: 180-22410-12 MSD

Client Sample ID: SO-77128-061913-WD-011

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 75704

Prep Batch: 75696

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND		46.9	52.4		ug/Kg	⊗	112	20 - 150	1	40
Benzene	ND		46.9	47.1		ug/Kg	⊗	101	77 - 120	5	20
Bromodichloromethane	ND		46.9	48.0		ug/Kg	⊗	102	70 - 125	4	21
Bromoform	ND		46.9	34.5		ug/Kg	⊗	74	53 - 140	5	23
Bromomethane	ND		46.9	40.6		ug/Kg	⊗	87	25 - 150	9	40
2-Butanone (MEK)	ND		46.9	50.2		ug/Kg	⊗	107	35 - 149	11	36
Carbon disulfide	ND		46.9	46.7		ug/Kg	⊗	100	50 - 127	7	23
Carbon tetrachloride	ND		46.9	41.3		ug/Kg	⊗	88	69 - 122	9	22
Chlorobenzene	ND		46.9	48.6		ug/Kg	⊗	104	79 - 120	3	20
Chloroethane	ND		46.9	39.8		ug/Kg	⊗	85	22 - 150	12	40
Chloroform	ND		46.9	46.9		ug/Kg	⊗	100	72 - 120	5	25
Chloromethane	ND		46.9	47.0		ug/Kg	⊗	100	44 - 131	9	27

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-22410-12 MSD

Client Sample ID: SO-77128-061913-WD-011

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 75704

Prep Batch: 75696

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Dibromochloromethane	ND		46.9	45.6		ug/Kg	⊗	97	70 - 132	1	20
1,1-Dichloroethane	ND		46.9	48.7		ug/Kg	⊗	104	66 - 124	5	23
1,2-Dichloroethane	ND		46.9	48.1		ug/Kg	⊗	103	61 - 127	5	23
1,1-Dichloroethene	ND		46.9	44.3		ug/Kg	⊗	94	59 - 129	6	25
1,2-Dichloropropane	ND		46.9	48.8		ug/Kg	⊗	104	72 - 122	3	20
cis-1,3-Dichloropropene	ND		46.9	48.8		ug/Kg	⊗	104	73 - 120	3	20
trans-1,3-Dichloropropene	ND		46.9	54.9		ug/Kg	⊗	117	74 - 129	1	20
Ethylbenzene	ND		46.9	51.4		ug/Kg	⊗	110	78 - 125	3	21
2-Hexanone	ND		46.9	58.7		ug/Kg	⊗	125	32 - 150	1	32
Methylene Chloride	4.3	J B	46.9	43.7		ug/Kg	⊗	84	58 - 127	5	28
4-Methyl-2-pentanone (MIBK)	ND		46.9	52.8		ug/Kg	⊗	113	44 - 148	1	30
Styrene	ND		46.9	51.3		ug/Kg	⊗	109	83 - 129	3	20
1,1,2,2-Tetrachloroethane	ND		46.9	50.4		ug/Kg	⊗	108	60 - 139	4	24
Tetrachloroethene	ND		46.9	39.3		ug/Kg	⊗	84	78 - 129	7	20
1,1,1-Trichloroethane	ND		46.9	45.5		ug/Kg	⊗	97	67 - 126	9	31
1,1,2-Trichloroethane	ND		46.9	50.1		ug/Kg	⊗	107	70 - 128	1	22
Trichloroethene	ND		46.9	38.6		ug/Kg	⊗	82	76 - 119	7	21
Vinyl chloride	ND		46.9	47.9		ug/Kg	⊗	102	63 - 124	8	27
Xylenes, Total	ND		93.8	102		ug/Kg	⊗	109	83 - 126	3	20
Cyclohexane	ND		46.9	47.8		ug/Kg	⊗	102	64 - 130	9	21
1,2-Dibromo-3-Chloropropane	ND		46.9	47.7		ug/Kg	⊗	102	35 - 136	3	40
1,2-Dibromoethane (EDB)	ND		46.9	48.7		ug/Kg	⊗	104	70 - 131	0	20
Dichlorodifluoromethane	ND		46.9	43.3		ug/Kg	⊗	92	25 - 150	13	34
cis-1,2-Dichloroethene	ND		46.9	43.9		ug/Kg	⊗	94	80 - 118	6	20
trans-1,2-Dichloroethene	ND		46.9	45.3		ug/Kg	⊗	97	77 - 121	5	20
Isopropylbenzene	ND		46.9	52.8		ug/Kg	⊗	113	70 - 133	4	22
Methyl acetate	ND		234	229		ug/Kg	⊗	98	27 - 142	1	40
Methylcyclohexane	ND		46.9	47.3		ug/Kg	⊗	101	66 - 135	8	23
Methyl tert-butyl ether	ND		46.9	45.3		ug/Kg	⊗	97	48 - 132	1	36
Trichlorofluoromethane	ND		46.9	40.8		ug/Kg	⊗	87	20 - 150	8	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46.9	41.7		ug/Kg	⊗	89	55 - 130	13	37
1,2-Dichlorobenzene	ND		46.9	47.9		ug/Kg	⊗	102	71 - 124	4	22
1,3-Dichlorobenzene	ND		46.9	47.2		ug/Kg	⊗	101	75 - 118	5	20
1,4-Dichlorobenzene	ND		46.9	46.9		ug/Kg	⊗	100	77 - 116	5	20
1,2,4-Trichlorobenzene	ND		46.9	49.8		ug/Kg	⊗	106	51 - 136	2	40
Toluene	ND		46.9	52.3		ug/Kg	⊗	112	78 - 124	3	21

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		52 - 124
Toluene-d8 (Surr)	92		72 - 127
4-Bromofluorobenzene (Surr)	89		63 - 120
Dibromofluoromethane (Surr)	72		68 - 121

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-76021/4

Matrix: Water

Analysis Batch: 76021

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		20	5.0	ug/L			06/27/13 10:19	1
Benzene	ND		5.0	0.99	ug/L			06/27/13 10:19	1
Bromodichloromethane	ND		5.0	0.93	ug/L			06/27/13 10:19	1
Bromoform	ND		5.0	1.1	ug/L			06/27/13 10:19	1
Bromomethane	ND		5.0	1.6	ug/L			06/27/13 10:19	1
2-Butanone (MEK)	ND		5.0	1.1	ug/L			06/27/13 10:19	1
Carbon disulfide	ND		5.0	1.1	ug/L			06/27/13 10:19	1
Carbon tetrachloride	ND		5.0	1.1	ug/L			06/27/13 10:19	1
Chlorobenzene	ND		5.0	0.53	ug/L			06/27/13 10:19	1
Chloroethane	ND		5.0	0.75	ug/L			06/27/13 10:19	1
Chloroform	ND		5.0	1.0	ug/L			06/27/13 10:19	1
Chloromethane	ND		5.0	1.4	ug/L			06/27/13 10:19	1
Dibromochloromethane	ND		5.0	0.65	ug/L			06/27/13 10:19	1
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/27/13 10:19	1
1,2-Dichloroethane	ND		5.0	0.96	ug/L			06/27/13 10:19	1
1,1-Dichloroethene	ND		5.0	1.1	ug/L			06/27/13 10:19	1
1,2-Dichloropropane	ND		5.0	1.3	ug/L			06/27/13 10:19	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/L			06/27/13 10:19	1
trans-1,3-Dichloropropene	ND		5.0	0.58	ug/L			06/27/13 10:19	1
Ethylbenzene	ND		5.0	0.62	ug/L			06/27/13 10:19	1
2-Hexanone	ND		5.0	0.57	ug/L			06/27/13 10:19	1
Methylene Chloride	ND		5.0	1.1	ug/L			06/27/13 10:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.59	ug/L			06/27/13 10:19	1
Styrene	ND		5.0	0.64	ug/L			06/27/13 10:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.93	ug/L			06/27/13 10:19	1
Tetrachloroethene	ND		5.0	0.82	ug/L			06/27/13 10:19	1
1,1,1-Trichloroethane	ND		5.0	1.0	ug/L			06/27/13 10:19	1
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/27/13 10:19	1
Trichloroethene	ND		5.0	0.80	ug/L			06/27/13 10:19	1
Vinyl chloride	ND		5.0	1.3	ug/L			06/27/13 10:19	1
Xylenes, Total	ND		10	2.0	ug/L			06/27/13 10:19	1
Cyclohexane	ND		5.0	0.60	ug/L			06/27/13 10:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.35	ug/L			06/27/13 10:19	1
1,2-Dibromoethane (EDB)	ND		5.0	0.61	ug/L			06/27/13 10:19	1
Dichlorodifluoromethane	ND		5.0	0.64	ug/L			06/27/13 10:19	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/L			06/27/13 10:19	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/L			06/27/13 10:19	1
Isopropylbenzene	ND		5.0	0.53	ug/L			06/27/13 10:19	1
Methyl acetate	ND		25	1.2	ug/L			06/27/13 10:19	1
Methylcyclohexane	ND		5.0	0.56	ug/L			06/27/13 10:19	1
Methyl tert-butyl ether	ND		5.0	1.0	ug/L			06/27/13 10:19	1
Trichlorofluoromethane	ND		5.0	1.1	ug/L			06/27/13 10:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	0.33	ug/L			06/27/13 10:19	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/L			06/27/13 10:19	1
1,3-Dichlorobenzene	ND		5.0	0.51	ug/L			06/27/13 10:19	1
1,4-Dichlorobenzene	ND		5.0	0.53	ug/L			06/27/13 10:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.38	ug/L			06/27/13 10:19	1
Toluene	ND		5.0	0.85	ug/L			06/27/13 10:19	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-76021/4

Matrix: Water

Analysis Batch: 76021

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1,2-Dichloroethane-d4 (Surr)	106		62 - 123				06/27/13 10:19	1
Toluene-d8 (Surr)	106		80 - 120				06/27/13 10:19	1
4-Bromofluorobenzene (Surr)	86		75 - 120				06/27/13 10:19	1
Dibromofluoromethane (Surr)	101		80 - 120				06/27/13 10:19	1

Lab Sample ID: LCS 180-76021/9

Matrix: Water

Analysis Batch: 76021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spiked	LCS	LCS	Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier					
Acetone	40.0	26.8		ug/L		67	10 - 141	
Benzene	40.0	40.4		ug/L		101	80 - 120	
Bromodichloromethane	40.0	40.7		ug/L		102	71 - 119	
Bromoform	40.0	40.2		ug/L		101	49 - 137	
Bromomethane	40.0	41.4		ug/L		104	45 - 150	
2-Butanone (MEK)	40.0	29.4		ug/L		73	31 - 139	
Carbon disulfide	40.0	43.4		ug/L		109	62 - 126	
Carbon tetrachloride	40.0	40.0		ug/L		100	63 - 139	
Chlorobenzene	40.0	40.6		ug/L		101	83 - 120	
Chloroethane	40.0	41.0		ug/L		103	33 - 150	
Chloroform	40.0	39.5		ug/L		99	77 - 119	
Chloromethane	40.0	37.6		ug/L		94	49 - 133	
Dibromochloromethane	40.0	40.2		ug/L		100	64 - 124	
1,1-Dichloroethane	40.0	40.3		ug/L		101	77 - 122	
1,2-Dichloroethane	40.0	38.2		ug/L		95	63 - 140	
1,1-Dichloroethene	40.0	39.5		ug/L		99	69 - 127	
1,2-Dichloropropane	40.0	40.9		ug/L		102	75 - 114	
cis-1,3-Dichloropropene	40.0	36.8		ug/L		92	74 - 123	
trans-1,3-Dichloropropene	40.0	38.6		ug/L		96	63 - 122	
Ethylbenzene	40.0	41.6		ug/L		104	79 - 124	
2-Hexanone	40.0	31.1		ug/L		78	35 - 129	
Methylene Chloride	40.0	40.5		ug/L		101	75 - 120	
4-Methyl-2-pentanone (MIBK)	40.0	40.3		ug/L		101	33 - 135	
Styrene	40.0	42.9		ug/L		107	78 - 124	
1,1,2,2-Tetrachloroethane	40.0	38.3		ug/L		96	59 - 136	
Tetrachloroethene	40.0	39.1		ug/L		98	78 - 126	
1,1,1-Trichloroethane	40.0	39.5		ug/L		99	69 - 134	
1,1,2-Trichloroethane	40.0	40.9		ug/L		102	75 - 126	
Trichloroethene	40.0	38.2		ug/L		95	80 - 120	
Vinyl chloride	40.0	37.8		ug/L		94	57 - 128	
Xylenes, Total	80.0	84.8		ug/L		106	81 - 121	
Cyclohexane	40.0	39.8		ug/L		100	69 - 124	
1,2-Dibromo-3-Chloropropane	40.0	38.8		ug/L		97	28 - 150	
1,2-Dibromoethane (EDB)	40.0	37.6		ug/L		94	57 - 124	
Dichlorodifluoromethane	40.0	36.7		ug/L		92	28 - 140	
cis-1,2-Dichloroethene	40.0	39.8		ug/L		99	82 - 116	
trans-1,2-Dichloroethene	40.0	40.2		ug/L		100	78 - 120	
Isopropylbenzene	40.0	43.0		ug/L		108	73 - 130	

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-76021/9

Matrix: Water

Analysis Batch: 76021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
Methyl acetate	200	185		ug/L		93	34 - 127
Methylcyclohexane	40.0	40.3		ug/L		101	67 - 120
Methyl tert-butyl ether	40.0	37.6		ug/L		94	53 - 122
Trichlorofluoromethane	40.0	37.8		ug/L		94	14 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	39.0		ug/L		97	70 - 131
1,2-Dichlorobenzene	40.0	39.1		ug/L		98	75 - 125
1,3-Dichlorobenzene	40.0	41.2		ug/L		103	76 - 125
1,4-Dichlorobenzene	40.0	40.9		ug/L		102	76 - 123
1,2,4-Trichlorobenzene	40.0	33.5		ug/L		84	35 - 150
Toluene	40.0	42.1		ug/L		105	80 - 124
Surrogate	LCS	LCS	Limits	Unit	D	%Rec	%Rec.
	%Recovery	Qualifier					
1,2-Dichloroethane-d4 (Surr)	106		62 - 123				
Toluene-d8 (Surr)	111		80 - 120				
4-Bromofluorobenzene (Surr)	112		75 - 120				
Dibromofluoromethane (Surr)	106		80 - 120				

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 180-75564/1-A

Matrix: Solid

Analysis Batch: 75825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75564

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	ND		67	3.8	ug/Kg		06/24/13 06:07	06/25/13 11:16	1
<hr/>									
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
2,4,6-Tribromophenol	61		21 - 116			06/24/13 06:07	06/25/13 11:16	1	
2-Fluorobiphenyl	58		28 - 108			06/24/13 06:07	06/25/13 11:16	1	
2-Fluorophenol	60		28 - 107			06/24/13 06:07	06/25/13 11:16	1	
Nitrobenzene-d5	60		27 - 110			06/24/13 06:07	06/25/13 11:16	1	
Phenol-d5	62		30 - 112			06/24/13 06:07	06/25/13 11:16	1	
Terphenyl-d14	65		21 - 130			06/24/13 06:07	06/25/13 11:16	1	

Lab Sample ID: LCS 180-75564/2-A

Matrix: Solid

Analysis Batch: 75825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75564

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
	Added	Result	Qualifier						
1,4-Dioxane	667	387		ug/Kg		58	41 - 102		
<hr/>									
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
2,4,6-Tribromophenol	68		21 - 116					1	
2-Fluorobiphenyl	64		28 - 108					1	
2-Fluorophenol	63		28 - 107					1	
Nitrobenzene-d5	61		27 - 110					1	

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 180-75564/2-A

Matrix: Solid

Analysis Batch: 75825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75564

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	65		30 - 112
Terphenyl-d14	75		21 - 130

Lab Sample ID: 180-22410-18 MS

Client Sample ID: SO-77128-062013-WD-017

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 75825

Prep Batch: 75564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limts
1,4-Dioxane	ND		742	376		ug/Kg	⊗	51	41 - 102

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol	71		21 - 116
2-Fluorobiphenyl	69		28 - 108
2-Fluorophenol	63		28 - 107
Nitrobenzene-d5	65		27 - 110
Phenol-d5	65		30 - 112
Terphenyl-d14	72		21 - 130

Lab Sample ID: 180-22410-18 MSD

Client Sample ID: SO-77128-062013-WD-017

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 75825

Prep Batch: 75564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD
1,4-Dioxane	ND		737	382		ug/Kg	⊗	52	41 - 102

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	73		21 - 116
2-Fluorobiphenyl	70		28 - 108
2-Fluorophenol	64		28 - 107
Nitrobenzene-d5	66		27 - 110
Phenol-d5	66		30 - 112
Terphenyl-d14	73		21 - 130

Lab Sample ID: MB 180-75566/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 75812

Prep Batch: 75566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		67	3.8	ug/Kg	⊗	06/24/13 05:45	06/25/13 00:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		21 - 116	06/24/13 05:45	06/25/13 00:04	1
2-Fluorobiphenyl	59		28 - 108	06/24/13 05:45	06/25/13 00:04	1
2-Fluorophenol	64		28 - 107	06/24/13 05:45	06/25/13 00:04	1
Nitrobenzene-d5	64		27 - 110	06/24/13 05:45	06/25/13 00:04	1
Phenol-d5	68		30 - 112	06/24/13 05:45	06/25/13 00:04	1
Terphenyl-d14	73		21 - 130	06/24/13 05:45	06/25/13 00:04	1

TestAmerica Pittsburgh

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 180-75566/2-A

Matrix: Solid

Analysis Batch: 75812

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75566

Analyte		Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Added	Result	Qualifier				
1,4-Dioxane		667	347		ug/Kg	52	41 - 102	
Surrogate								
2,4,6-Tribromophenol	%Recovery		LCS	LCS				
2-Fluorobiphenyl	73			Qualifier	Limits			
2-Fluorophenol	58				21 - 116			
Nitrobenzene-d5	60				28 - 108			
Phenol-d5	60				28 - 107			
Terphenyl-d14	64				27 - 110			
	70				30 - 112			
					21 - 130			

Lab Sample ID: 180-22410-21 MS

Matrix: Solid

Analysis Batch: 75812

Client Sample ID: SO-77128-062013-WD-020

Prep Type: Total/NA

Prep Batch: 75566

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,4-Dioxane	ND		757	415		ug/Kg	⊗	55	41 - 102
Surrogate									
2,4,6-Tribromophenol	%Recovery		MS	MS					
2-Fluorobiphenyl	84			Qualifier	Limits				
2-Fluorophenol	70				21 - 116				
Nitrobenzene-d5	71				28 - 108				
Phenol-d5	73				28 - 107				
Terphenyl-d14	76				27 - 110				
	82				30 - 112				
					21 - 130				

Lab Sample ID: 180-22410-21 MSD

Matrix: Solid

Analysis Batch: 75812

Client Sample ID: SO-77128-062013-WD-020

Prep Type: Total/NA

Prep Batch: 75566

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD
	Result	Qualifier	Added	Result	Qualifier					
1,4-Dioxane	ND		762	423		ug/Kg	⊗	55	41 - 102	2
Surrogate										
2,4,6-Tribromophenol	%Recovery		MSD	MSD						
2-Fluorobiphenyl	92			Qualifier	Limits					
2-Fluorophenol	71				21 - 116					
Nitrobenzene-d5	73				28 - 108					
Phenol-d5	74				28 - 107					
Terphenyl-d14	80				27 - 110					
	81				30 - 112					
					21 - 130					

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QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

Method: 2540G - SM 2540G

Lab Sample ID: 180-22410-5 DU

Matrix: Solid

Analysis Batch: 75492

Client Sample ID: SO-77128-061913-WD-005

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Percent Moisture	14		13		%		6	20
Percent Solids	86		87		%		0.8	20

Lab Sample ID: 180-22410-18 DU

Matrix: Solid

Analysis Batch: 75492

Client Sample ID: SO-77128-062013-WD-017

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Percent Moisture	10		12		%		20	20
Percent Solids	90		88		%		3	20

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

GC/MS VOA

Prep Batch: 75587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-1	SO-77128-061913-WD-001	Total/NA	Solid	5035	5
180-22410-2	SO-77128-061913-WD-002	Total/NA	Solid	5035	6
180-22410-3	SO-77128-061913-WD-003	Total/NA	Solid	5035	7
180-22410-4	SO-77128-061913-WD-004	Total/NA	Solid	5035	8
180-22410-5	SO-77128-061913-WD-005	Total/NA	Solid	5035	9
180-22410-6	SO-77128-061913-WD-006	Total/NA	Solid	5035	10
180-22410-7	SO-77128-061913-WD-007	Total/NA	Solid	5035	11
180-22410-8	SO-77128-061913-WD-008	Total/NA	Solid	5035	12
180-22410-9	SO-77128-061913-WD-009	Total/NA	Solid	5035	13
180-22410-10	SO-77128-061913-WD-010	Total/NA	Solid	5035	1
180-22410-11	SO-77128-061913-WD-010-DUP	Total/NA	Solid	5035	2
180-22410-18	SO-77128-062013-WD-017	Total/NA	Solid	5035	3
180-22410-18 MS	SO-77128-062013-WD-017	Total/NA	Solid	5035	4
180-22410-18 MSD	SO-77128-062013-WD-017	Total/NA	Solid	5035	5
LCS 180-75587/2-A	Lab Control Sample	Total/NA	Solid	5035	6
MB 180-75587/1-A	Method Blank	Total/NA	Solid	5035	7

Analysis Batch: 75588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-1	SO-77128-061913-WD-001	Total/NA	Solid	8260B	75587
180-22410-2	SO-77128-061913-WD-002	Total/NA	Solid	8260B	75587
180-22410-3	SO-77128-061913-WD-003	Total/NA	Solid	8260B	75587
180-22410-4	SO-77128-061913-WD-004	Total/NA	Solid	8260B	75587
180-22410-5	SO-77128-061913-WD-005	Total/NA	Solid	8260B	75587
180-22410-6	SO-77128-061913-WD-006	Total/NA	Solid	8260B	75587
180-22410-7	SO-77128-061913-WD-007	Total/NA	Solid	8260B	75587
180-22410-8	SO-77128-061913-WD-008	Total/NA	Solid	8260B	75587
180-22410-9	SO-77128-061913-WD-009	Total/NA	Solid	8260B	75587
180-22410-10	SO-77128-061913-WD-010	Total/NA	Solid	8260B	75587
180-22410-11	SO-77128-061913-WD-010-DUP	Total/NA	Solid	8260B	75587
180-22410-18	SO-77128-062013-WD-017	Total/NA	Solid	8260B	75587
180-22410-18 MS	SO-77128-062013-WD-017	Total/NA	Solid	8260B	75587
180-22410-18 MSD	SO-77128-062013-WD-017	Total/NA	Solid	8260B	75587
LCS 180-75587/2-A	Lab Control Sample	Total/NA	Solid	8260B	75587
MB 180-75587/1-A	Method Blank	Total/NA	Solid	8260B	75587

Prep Batch: 75696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-12	SO-77128-061913-WD-011	Total/NA	Solid	5035	1
180-22410-12 MS	SO-77128-061913-WD-011	Total/NA	Solid	5035	2
180-22410-12 MSD	SO-77128-061913-WD-011	Total/NA	Solid	5035	3
180-22410-13	SO-77128-061913-WD-012	Total/NA	Solid	5035	4
180-22410-14	SO-77128-062013-WD-013	Total/NA	Solid	5035	5
180-22410-15	SO-77128-062013-WD-014	Total/NA	Solid	5035	6
180-22410-16	SO-77128-062013-WD-015	Total/NA	Solid	5035	7
180-22410-17	SO-77128-062013-WD-016	Total/NA	Solid	5035	8
180-22410-19	SO-77128-062013-WD-018	Total/NA	Solid	5035	9
180-22410-20	SO-77128-062013-WD-019	Total/NA	Solid	5035	10
180-22410-21	SO-77128-062013-WD-020	Total/NA	Solid	5035	11
180-22410-22	SO-77128-062013-WD-021	Total/NA	Solid	5035	12
LCS 180-75696/2-A	Lab Control Sample	Total/NA	Solid	5035	13

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

GC/MS VOA (Continued)

Prep Batch: 75696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-75696/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 75704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-12	SO-77128-061913-WD-011	Total/NA	Solid	8260B	75696
180-22410-12 MS	SO-77128-061913-WD-011	Total/NA	Solid	8260B	75696
180-22410-12 MSD	SO-77128-061913-WD-011	Total/NA	Solid	8260B	75696
180-22410-13	SO-77128-061913-WD-012	Total/NA	Solid	8260B	75696
180-22410-14	SO-77128-062013-WD-013	Total/NA	Solid	8260B	75696
180-22410-15	SO-77128-062013-WD-014	Total/NA	Solid	8260B	75696
180-22410-16	SO-77128-062013-WD-015	Total/NA	Solid	8260B	75696
180-22410-17	SO-77128-062013-WD-016	Total/NA	Solid	8260B	75696
180-22410-19	SO-77128-062013-WD-018	Total/NA	Solid	8260B	75696
180-22410-20	SO-77128-062013-WD-019	Total/NA	Solid	8260B	75696
180-22410-21	SO-77128-062013-WD-020	Total/NA	Solid	8260B	75696
180-22410-22	SO-77128-062013-WD-021	Total/NA	Solid	8260B	75696
LCS 180-75696/2-A	Lab Control Sample	Total/NA	Solid	8260B	75696
MB 180-75696/1-A	Method Blank	Total/NA	Solid	8260B	75696

Analysis Batch: 76021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-23	W-77128-062013-WD-TB1	Total/NA	Water	8260B	
180-22410-24	W-77128-062013-WD-TB2	Total/NA	Water	8260B	
LCS 180-76021/9	Lab Control Sample	Total/NA	Water	8260B	
MB 180-76021/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 75564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-1	SO-77128-061913-WD-001	Total/NA	Solid	3541	
180-22410-2	SO-77128-061913-WD-002	Total/NA	Solid	3541	
180-22410-3	SO-77128-061913-WD-003	Total/NA	Solid	3541	
180-22410-4	SO-77128-061913-WD-004	Total/NA	Solid	3541	
180-22410-5	SO-77128-061913-WD-005	Total/NA	Solid	3541	
180-22410-6	SO-77128-061913-WD-006	Total/NA	Solid	3541	
180-22410-7	SO-77128-061913-WD-007	Total/NA	Solid	3541	
180-22410-8	SO-77128-061913-WD-008	Total/NA	Solid	3541	
180-22410-9	SO-77128-061913-WD-009	Total/NA	Solid	3541	
180-22410-10	SO-77128-061913-WD-010	Total/NA	Solid	3541	
180-22410-11	SO-77128-061913-WD-010-DUP	Total/NA	Solid	3541	
180-22410-12	SO-77128-061913-WD-011	Total/NA	Solid	3541	
180-22410-13	SO-77128-061913-WD-012	Total/NA	Solid	3541	
180-22410-14	SO-77128-062013-WD-013	Total/NA	Solid	3541	
180-22410-15	SO-77128-062013-WD-014	Total/NA	Solid	3541	
180-22410-16	SO-77128-062013-WD-015	Total/NA	Solid	3541	
180-22410-17	SO-77128-062013-WD-016	Total/NA	Solid	3541	
180-22410-18	SO-77128-062013-WD-017	Total/NA	Solid	3541	
180-22410-18 MS	SO-77128-062013-WD-017	Total/NA	Solid	3541	
180-22410-18 MSD	SO-77128-062013-WD-017	Total/NA	Solid	3541	

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

GC/MS Semi VOA (Continued)

Prep Batch: 75564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-19	SO-77128-062013-WD-018	Total/NA	Solid	3541	
180-22410-20	SO-77128-062013-WD-019	Total/NA	Solid	3541	
LCS 180-75564/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-75564/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 75566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-21	SO-77128-062013-WD-020	Total/NA	Solid	3541	
180-22410-21 MS	SO-77128-062013-WD-020	Total/NA	Solid	3541	
180-22410-21 MSD	SO-77128-062013-WD-020	Total/NA	Solid	3541	
180-22410-22	SO-77128-062013-WD-021	Total/NA	Solid	3541	
LCS 180-75566/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-75566/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 75695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-1	SO-77128-061913-WD-001	Total/NA	Solid	8270C LL	75564
180-22410-2	SO-77128-061913-WD-002	Total/NA	Solid	8270C LL	75564

Analysis Batch: 75812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-21	SO-77128-062013-WD-020	Total/NA	Solid	8270C LL	75566
180-22410-21 MS	SO-77128-062013-WD-020	Total/NA	Solid	8270C LL	75566
180-22410-21 MSD	SO-77128-062013-WD-020	Total/NA	Solid	8270C LL	75566
180-22410-22	SO-77128-062013-WD-021	Total/NA	Solid	8270C LL	75566
LCS 180-75566/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	75566
MB 180-75566/1-A	Method Blank	Total/NA	Solid	8270C LL	75566

Analysis Batch: 75825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-3	SO-77128-061913-WD-003	Total/NA	Solid	8270C LL	75564
180-22410-4	SO-77128-061913-WD-004	Total/NA	Solid	8270C LL	75564
180-22410-5	SO-77128-061913-WD-005	Total/NA	Solid	8270C LL	75564
180-22410-6	SO-77128-061913-WD-006	Total/NA	Solid	8270C LL	75564
180-22410-7	SO-77128-061913-WD-007	Total/NA	Solid	8270C LL	75564
180-22410-8	SO-77128-061913-WD-008	Total/NA	Solid	8270C LL	75564
180-22410-9	SO-77128-061913-WD-009	Total/NA	Solid	8270C LL	75564
180-22410-10	SO-77128-061913-WD-010	Total/NA	Solid	8270C LL	75564
180-22410-11	SO-77128-061913-WD-010-DUP	Total/NA	Solid	8270C LL	75564
180-22410-12	SO-77128-061913-WD-011	Total/NA	Solid	8270C LL	75564
180-22410-13	SO-77128-061913-WD-012	Total/NA	Solid	8270C LL	75564
180-22410-14	SO-77128-062013-WD-013	Total/NA	Solid	8270C LL	75564
180-22410-15	SO-77128-062013-WD-014	Total/NA	Solid	8270C LL	75564
180-22410-16	SO-77128-062013-WD-015	Total/NA	Solid	8270C LL	75564
180-22410-17	SO-77128-062013-WD-016	Total/NA	Solid	8270C LL	75564
180-22410-18	SO-77128-062013-WD-017	Total/NA	Solid	8270C LL	75564
180-22410-18 MS	SO-77128-062013-WD-017	Total/NA	Solid	8270C LL	75564
180-22410-18 MSD	SO-77128-062013-WD-017	Total/NA	Solid	8270C LL	75564
180-22410-19	SO-77128-062013-WD-018	Total/NA	Solid	8270C LL	75564
180-22410-20	SO-77128-062013-WD-019	Total/NA	Solid	8270C LL	75564
LCS 180-75564/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	75564

TestAmerica Pittsburgh

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 077128 KEMA-Powertest

TestAmerica Job ID: 180-22410-1

GC/MS Semi VOA (Continued)

Analysis Batch: 75825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-75564/1-A	Method Blank	Total/NA	Solid	8270C LL	75564

General Chemistry

Analysis Batch: 75490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-1	SO-77128-061913-WD-001	Total/NA	Solid	2540G	
180-22410-2	SO-77128-061913-WD-002	Total/NA	Solid	2540G	
180-22410-3	SO-77128-061913-WD-003	Total/NA	Solid	2540G	
180-22410-4	SO-77128-061913-WD-004	Total/NA	Solid	2540G	

Analysis Batch: 75492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-22410-5	SO-77128-061913-WD-005	Total/NA	Solid	2540G	
180-22410-5 DU	SO-77128-061913-WD-005	Total/NA	Solid	2540G	
180-22410-6	SO-77128-061913-WD-006	Total/NA	Solid	2540G	
180-22410-7	SO-77128-061913-WD-007	Total/NA	Solid	2540G	
180-22410-8	SO-77128-061913-WD-008	Total/NA	Solid	2540G	
180-22410-9	SO-77128-061913-WD-009	Total/NA	Solid	2540G	
180-22410-10	SO-77128-061913-WD-010	Total/NA	Solid	2540G	
180-22410-11	SO-77128-061913-WD-010-DUP	Total/NA	Solid	2540G	
180-22410-12	SO-77128-061913-WD-011	Total/NA	Solid	2540G	
180-22410-13	SO-77128-061913-WD-012	Total/NA	Solid	2540G	
180-22410-14	SO-77128-062013-WD-013	Total/NA	Solid	2540G	
180-22410-15	SO-77128-062013-WD-014	Total/NA	Solid	2540G	
180-22410-16	SO-77128-062013-WD-015	Total/NA	Solid	2540G	
180-22410-17	SO-77128-062013-WD-016	Total/NA	Solid	2540G	
180-22410-18	SO-77128-062013-WD-017	Total/NA	Solid	2540G	
180-22410-18 DU	SO-77128-062013-WD-017	Total/NA	Solid	2540G	
180-22410-19	SO-77128-062013-WD-018	Total/NA	Solid	2540G	
180-22410-20	SO-77128-062013-WD-019	Total/NA	Solid	2540G	
180-22410-21	SO-77128-062013-WD-020	Total/NA	Solid	2540G	
180-22410-22	SO-77128-062013-WD-021	Total/NA	Solid	2540G	

$$\begin{array}{r} \text{\#4 } 3.4 - .6 = 2.8 \\ \text{\#4 } 3.2 - .6 = 2.6 \end{array}$$

Chain of Custody Record

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

20f3

Chain of Custody Record

TestAmerica Laboratory location:

Regulatory program: DW NPDES RCRA Other

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		TestAmerica Laboratories, Inc.	
Company Name: CRA, Inc	Address: 410 Eagleview Blvd	Telephone: 610 321 1800	Email: jgarges@cravertech.com	Telephone: 610 203 4308		Telephone: 412 963 - 2432		COC No: 064184	
								of <input type="text"/> COCs	
								For lab use only	
								Walk-in client <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling <input type="checkbox"/>	
								Job/SDG No: <input type="text"/>	
								Sample Specific Notes / Special Instructions: <input type="text"/>	
Sample Identification		Sample Date	Sample Time	Matrix	Containers & Preservatives	Analyses			
SO-77128-061913-WD-010dup		6/19/13	16:15	X	2x 3x	X X			
SO-77128-061913-WD-011		6/19/13	16:52	X	2x 3x	X X			
SO-77128-061913-WD-012		6/19/13	17:20	X	2x 3x	X X			
SO-77128-062013-WD-013		6/20/13	8:52	X	2x 3x	X X			
SO-77128-062013-WD-014		6/20/13	8:56	X	2x 3x	X X			
SO-77128-062013-WD-015		6/20/13	9:37	X	2x 3x	X X			
SO-77128-062013-WD-016		6/20/13	9:42	X	2x 3x	X X			
SO-77128-062013-WD-017		6/20/13	10:25	X	2x 3x	X X			
SO-77128-062013-WD-ms		6/20/13	10:40	X	2x 3x	X X			
SO-77128-062013-WD-msdup		6/20/13	10:40	X	2x 3x	X X			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return to Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For <input type="text"/> Months		
Special Instructions/QC Requirements & Comments: <input type="text"/>									
Relinquished by:	Company: CRA	Date/Time: 6/20/13 17:00	Received by: 803367462914 + PAUL G 803367462925	Company: PAUL G	Date/Time: 6/21/13 07:45	Received by:	Company: TARH	Date/Time: 0745 6/21/13	
Relinquished by:	Company: TARH	Date/Time: 6/21/13 07:45	Received in Laboratory by:	Company: TARH	Date/Time: 0745 6/21/13				
Relinquished by:	Company: <input type="text"/>	Date/Time: <input type="text"/>	Received in Laboratory by: <input type="text"/>	Company: <input type="text"/>	Date/Time: <input type="text"/>				

3 of 3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TestAmerica Laboratory location:

 DW NPDES RCRA Other

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		TestAmerica Laboratories, Inc.	
Company Name: CRA, Inc.	Address: 410 Eagleview Blvd	Client Project Manager: John Garges	Telephone: 610 321 1800	Site Contact: William Daniels	Telephone: 610 203 4308	Lab Contact: Jill Colussy	Telephone: 412 963-2432	COC No: 064185	
City/State/Zip: Exton, PA 19341	Phone:	Email: jgarges@craworld.com	Method of Shipment/CARRIER: Fed Ex	Analysis Turnaround Time (in BUS days)		Analyses		of COCs	
Project Name: Kema - Powertest	Project Number: 77128	Shipping/Tracking No:	PO #	TAT if different from below				For lab use only	
Sample Identification		Sample Date	Sample Time	Matrix	Containers & Preservatives	Notes	Comments / QC	Walk-in client Lab pickup Lab sampling	
SO-77128-062013-WB-018		6/20/13	11:30	X	NH4OH HCl HNO3	2x3X	X X		
SO-77128-062013-WB-019		6/20/13	12:10	X	NH4OH HCl HNO3	2x3X	X X		
SO-77128-062013-WB-020		6/20/13	12:45	X	NH4OH HCl HNO3	2x3X	X X		
SO-77128-062013-WB-021		6/20/13	13:20	X	NH4OH HCl HNO3	2x3X	X X		
W-77128-062013-WB-TB1		6/20/13	13:20	X	NH4OH HCl HNO3	X	X	Trip Blank	
W-77128-062013-WB-TB2		6/20/13	13:20	X	NH4OH HCl HNO3	X	X	Trip Blank	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return to Client		Disposal By Lab		Archive For _____ Months	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments: <i>[Handwritten signatures and notes]</i>									
Refinanced by: <i>[Signature]</i>	Company: CRA	Date/Time: 6/20/13 17:00	Received by: EDB/BC 8033 6746 2914	Company: RED EX	Date/Time:				
Refinanced by: <i>[Signature]</i>	Company: TA P:Hs	Date/Time: 6-21-13 07:45	Received by: EDB/BC 8033 6746 2925	Company: TA P:Hs	Date/Time: 6/21/13 07:55				
Refinanced by: <i>[Signature]</i>	Company: 	Date/Time: 	Received in Laboratory by: 	Company: 	Date/Time: 				

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 180-22410-1

Login Number: 22410

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	